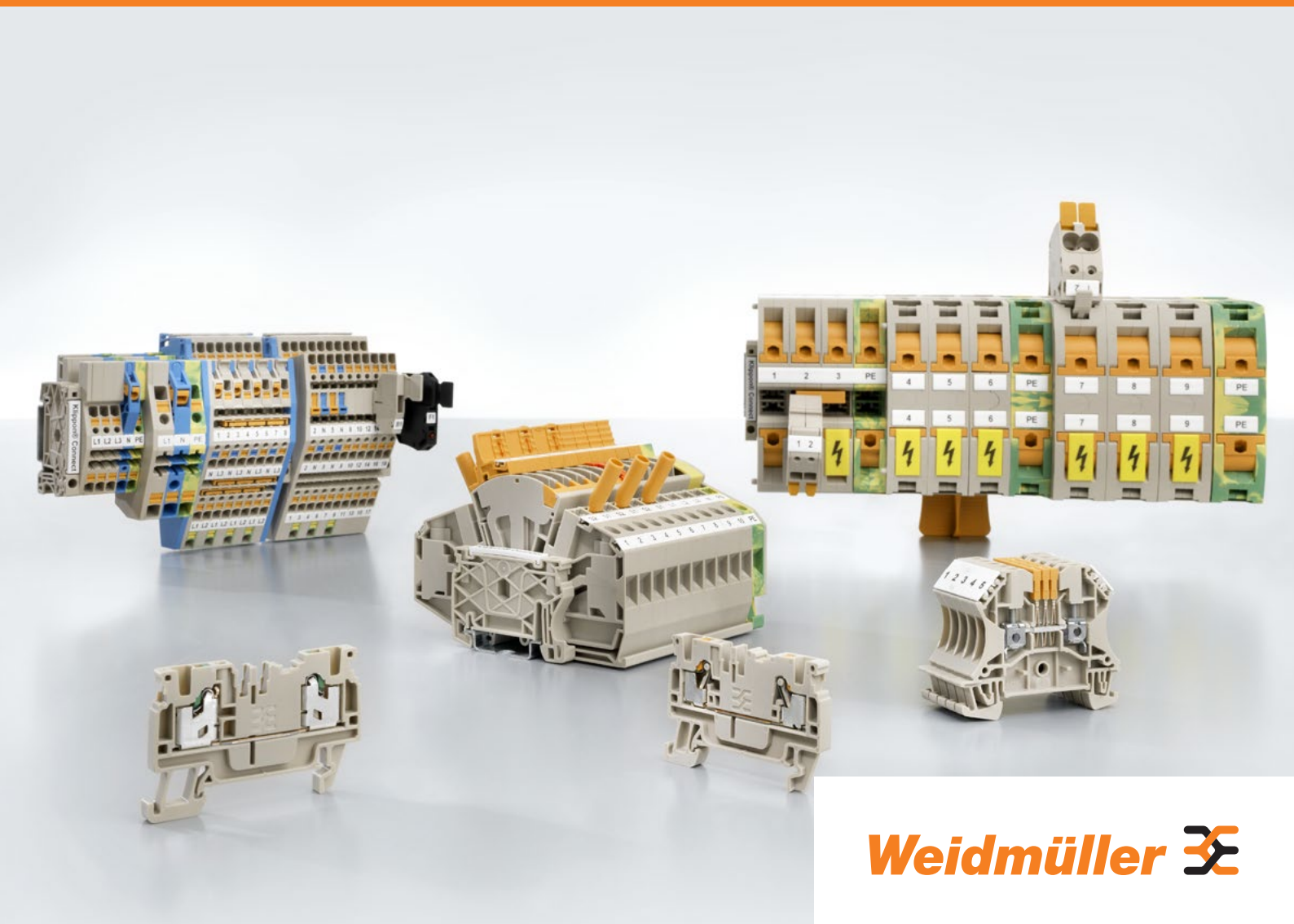
Terminal blocks
Klippon® Connect

Version 2022



Weidmüller

Orange Selection

Quick and easy planning

As a planning engineer, do you want to select products easily and receive them quickly? From a partner you can rely on? Then plan with the Orange Selection from Weidmüller in the future. The Orange Selection items are always available, carefully selected and the portfolio consists of more than 1,500 items to fully cover your standard needs.

If your order is placed before 3:00 pm, we guarantee that your order will be on its way the very next working day.

For even more efficient planning and production processes, we will of course provide all articles in digital form. CAD, ETIM and eClass data are available in our online product catalogue **catalog.weidmueller.com**

We have summarised all the advantages of the Orange Selection on our website.

Check it out: **www.weidmueller.com/orange-selection**



Terminal blocks
Catalogue 1

Terminal blocks

Universal range

- Spring connection with SNAP IN technology (A-Series)
- Spring connection with PUSH IN technology (A-Series)
- Spring connection with tension clamp technology (Z-Series)
- Screw connection with clamping yoke technology (W-Series)
- Screw connection with stud technology

Application range

- Power feed-in
- Power distribution
- Control voltage distribution
- Instrument transformer wiring
- Signal wiring
- Signal marshalling
- Shielding and earthing
- Building installation wiring

Installation

Appendix

Service and support

Index — Index Type / Order No.
Addresses worldwide

Extra efficiency in planning, installation and operation

Klippon® Connect provides you with added value at all stages

Panels are key elements of many industrial applications. They transmit signals, control data and distribute power – sometimes under the most adverse of conditions, such as vibrations, dust, cold or extreme heat. What is more, they have to be individually designed and built to suit the requirements and the industries they will be used in. All of the steps in the panel building process are key to increasing efficiency in the long term and exploiting potential for optimisation.

As your partner in Industrial Connectivity, we consider panel building to be an integrated process – from planning through installation to operation. The result is solutions that support products and processes to offer you added value at all stages. Klippon® Connect, our terminal block range, is the best example of this, given that it is another pioneering solution in the field of industrial connectivity.

Our promise

With Klippon® Connect, you benefit from productivity gains throughout the entire panel building process. These include time-saving planning and project planning, faultless wiring and faster marking operations, for example.



Achieving greater productivity one step at a time

Every panel building process starts at the planning stage. It is here that the foundations for optimum set-up are laid. Once there is a plan in place, preparatory work and installation can start. The panel components are marked, wired and checked. The fully installed panel can then be put into operation. To ensure that you achieve the greatest possible level of efficiency in this process, we have continuously examined the optimisation potential of the individual phases of planning, installation and operation and how they interlink with one another. The result is innovative products and services that support you at all the stages of the panel building process.

Up to 75 percent engineering

- Faster planning with the Weidmüller Configurator
- Error-free configuration through compatibility checks on products and accessories
- High level of transparency throughout the entire process thanks to linked data models
- Easy creation of product documentation



High wiring density with maximum ease of installation

- Noticeably faster wiring with PUSH IN technology
- All product functions can be clearly distinguished
- Flexible potential distribution thanks to various cross-connection options
- Faster marking thanks to endless marker strip and large marking surfaces

Higher availability during operation in the long term

- Simpler testing procedure thanks to integrated test point
- Hot rewiring possible without special tools thanks to PUSH IN technology with pushers
- Gas-tight and vibration-resistant connections for interference-free operation
- Flexible, simple modification and extension

Solutions for more productivity

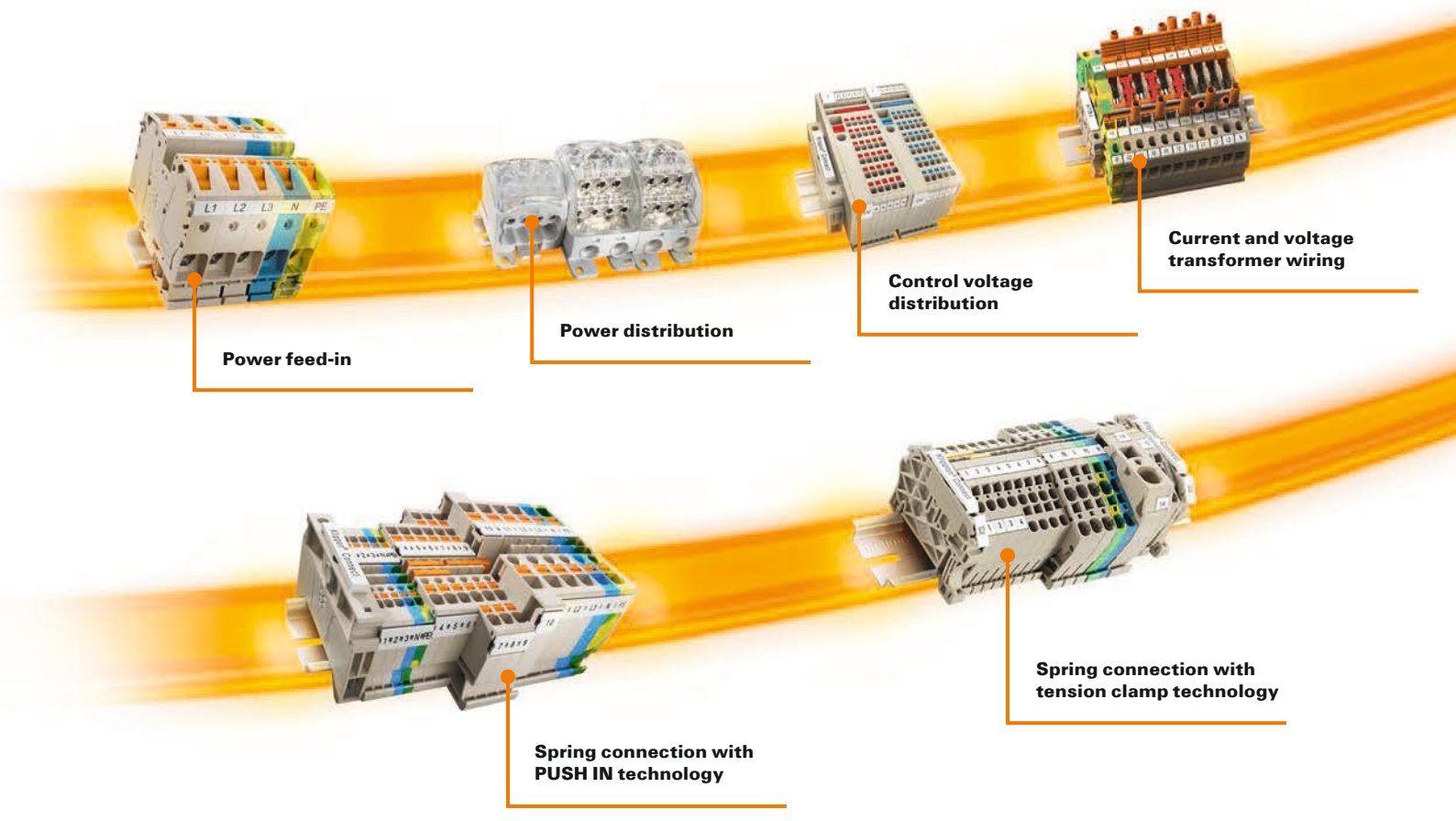
Extremely flexible process design – with Klippon® Connect

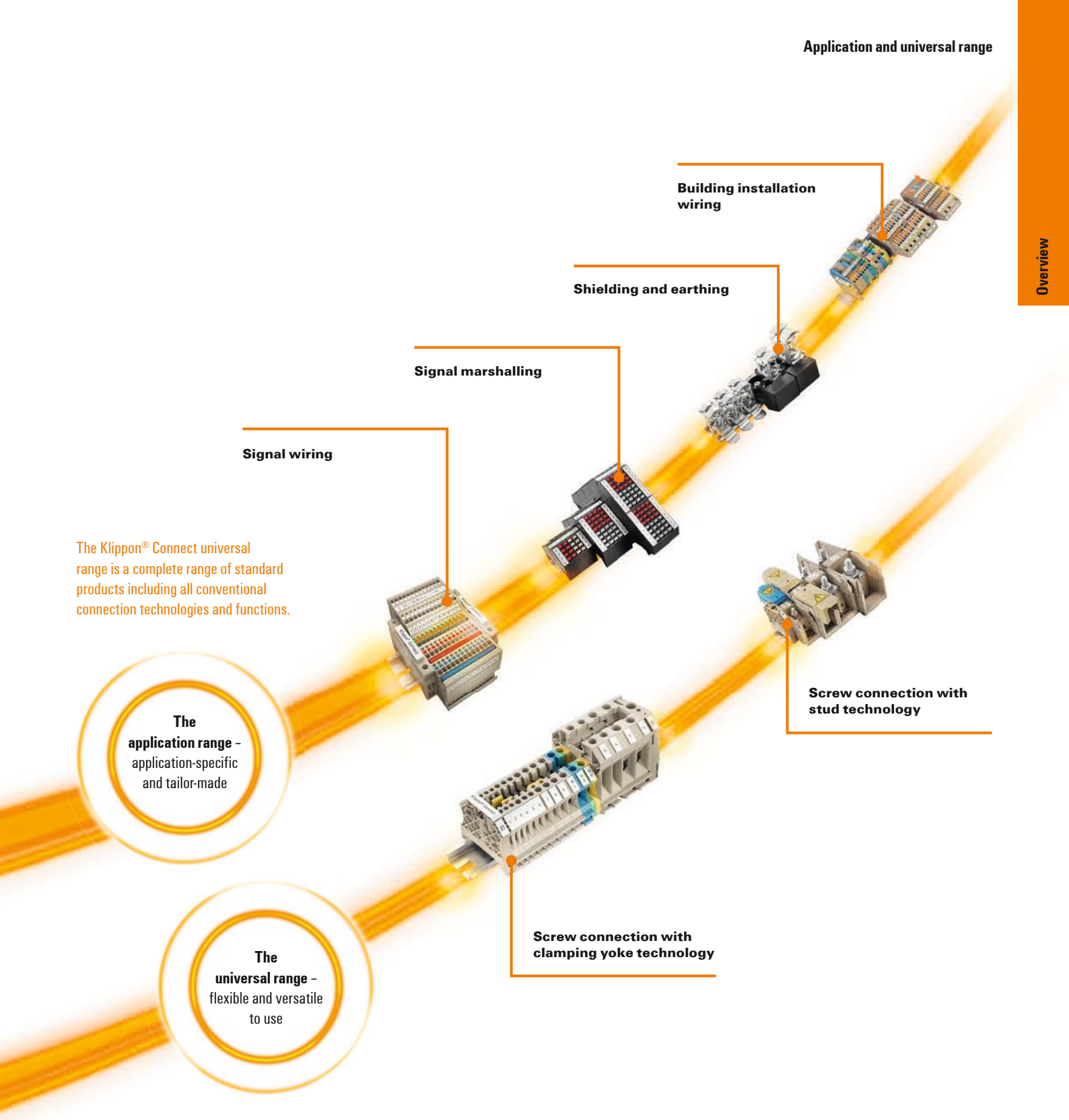
Whether it is simple handling, more space in the panel or time saving on installation: Klippon® Connect offers numerous benefits for your process. In line with our range of terminal blocks, we can offer you an application range and a universal range. The particular requirements determine which is the most suitable.

Often, standardisation enables the right solution to be found with our sophisticated, function-oriented universal range. It provides you with practical product features. For recurring application fields, such as control voltage distribution or signal wiring, we offer you the ideal solutions with our application range. Thanks to the high level of application focus, these solutions really do help increase productivity, efficiency and safety. And when tailored configuration is required, our customer-specific assembly service is available.

Our promise

With Klippon® Connect, we offer a comprehensive range of terminal blocks for high levels of productivity in your panel applications.





The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

The application range – application-specific and tailor-made

The universal range – flexible and versatile to use

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

From intelligent item data to the finished panel

Weidmüller Configurator: simpler configuration and ordering



Digital information is becoming increasingly important during product development. Starting with the product selection, configuration and creation of a virtual prototype through to the automated production and installation, end-to-end available data models are a cornerstone of digital production. This requires standardised product data and interfaces between the energy tools networked together and integration into the corporate IT environment. The "Weidmüller Configurator" software forms the ideal basis for end-to-end transparent panel planning.

Our promise

The Weidmüller Configurator speeds up panel planning by up to 70 percent, thus increasing productivity. You can benefit from high levels of data transparency and availability throughout the entire engineering process.

Integrated digital planning – quick and simple

Provision of intelligent item data

The product data from the software provide comprehensive support in configuration and can be fully integrated into all conventional engineering tools. The complete data transparency and availability across all process phases are a basic prerequisite for the implementation of Industry 4.0 in future panel building.

Simple and secure labelling

The Weidmüller Configurator enables virtually labelling of your whole project. Thanks to direct interfaces to CAD programs and the M-Print® PRO labelling software, you can plan and label your components in a single step.

Always the right configuration

The automatic filter function provides active assistance in putting together terminal blocks by preventing and automatically correcting incorrect assemblies. You can only add selected fitting accessories to your current configuration. This makes planning easier and saves a huge amount of time. At the same time, you can benefit from seamless documentation of your assembled terminal rails.

Fast and simple product enquiry

Once you have found your perfect combination, you can enquire about the components directly from the software – either as individual components or as a pre-assembled complete solution on a DIN rail which then only needs to be fitted to the mounting plate.



Get started online now!
The Weidmüller Configurator makes configuration easy. Visit our website and make the most of the wide range of benefits for your engineering process.

Full information on the software can be found here:
www.weidmueller.com/wmc

Tailor-made terminal strips

Flexibly designed to suit your requirements

Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.

From ready-specified strips that are immediately available from stock, through simple configurations with a short delivery time, to complex solutions with a high engineering requirement, we can respond flexibly to your needs. Simply talk to our sales staff, so that, together, we can head off in the right direction for your project.

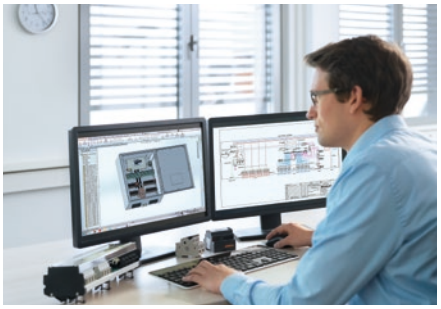
Our promise

We believe that custom work is the perfect interaction between the product and the service. Both of these elements combine to form a single unit that guarantees the very best quality and thus satisfied customers, even when it comes to the terminal strips.

Working towards a customer-specific solution

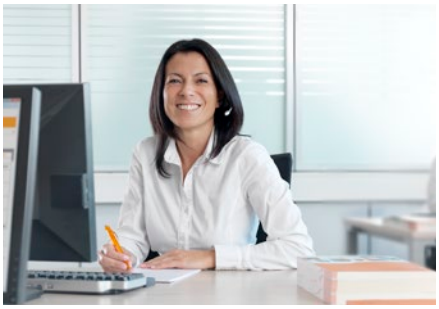
1.

Defining the task
We support you right from the start:
- Actual analysis
- Project definition



2.

Advice
Individually to suit your needs:
- Over the phone and on site
- Application-specific product selection
- In-depth dialogue



Product and service – perfectly coordinated to one another
However your product is designed, at the end of the day you can rest assured that you are using the best solution. Simply tell us what you would like, and we will make it happen:

- Selection of materials for the terminal rails: steel, stainless steel, aluminium or plastic
- Machining the terminal rail: cutting, punching and attaching a wide range of different mounting aids
- Assembling the terminal strips with snap-on components (terminal blocks and electronic products, as well as additional products from other manufacturers as required)
- Establishing cross-connections
- Fitting standard conductors
- Marking terminals, devices, conductors and cables



Your turnkey customised solution

4.

Production, logistics, documentation
Everything from a single source:
- Production technology
- Inventory management
- Comprehensive documentation as per the customer's requirements

3.

Application-specific development
The foundation for your success:
- Joint solution development
- Bespoke configuration
- Sample production





Service connects
You will find information about other services from Weidmüller at:
www.weidmueller.com/service

Universal range

Universal range

Connection technologies A.2

Spring connection with SNAP IN technology (A-Series) A.4



Feed-through terminal blocks A.6
PE terminal blocks A.8

Spring connection with PUSH IN technology (A-Series) A.10



Feed-through terminal blocks A.12
PE terminal blocks A.32
Fuse terminal blocks A.42
Test-disconnect terminal blocks A.46
Pluggable terminal blocks A.54
Terminal blocks with electronic components A.70
Terminal blocks with integrated markers A.76
Accessories A.84

Spring connection with tension clamp technology (Z-Series) A.98



Feed-through terminal blocks A.100
PE terminal blocks A.138
Fuse terminal blocks A.156
Test-disconnect terminal blocks A.172
Pluggable terminal blocks A.176
Terminal blocks with electronic components A.198
Accessories A.206

Screw connection with clamping yoke technology (W-Series) A.218



Feed-through terminal blocks A.220
PE terminal blocks A.252
Fuse terminal blocks A.264
Test-disconnect terminal blocks A.286
Pluggable terminal blocks A.300
Terminal blocks with electronic components A.312
Mini terminal blocks for enclosure wiring A.318
Accessories A.324

Screw connection with stud technology A.340



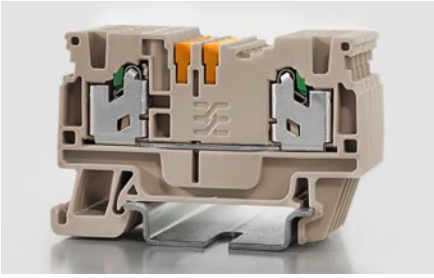
Feed-through terminal blocks – SRL A.342
Feed-through terminal blocks – WF and WFF A.348
Feed-through terminal blocks – ST4000 A.362
Feed-through terminal blocks – HV 2700 and HV 4000 A.366

Application-oriented wiring

Klippon® Connect always offers the right connection technology

Terminal blocks have to withstand a great deal – day in and day out. In addition to being robust and reliable, they have to be clearly arranged and easy to use. This is the only way to prevent incorrect wiring and ensure reliably safe connections. Any choice of connection technology very much depends on the application in question.

Our promise
Whether you opt for a screw variant or a spring variant, our proven Weidmüller connection systems and the comprehensive Klippon® Connect product range allow you to complete all applications in the panel efficiently and flexibly.



Connection sizes:
0.5 mm^2 to 2.5 mm^2



Spring connection with SNAP IN technology
The innovative SNAP IN technology revolutionizes control cabinet construction. The direct connection of flexible conductors without ferrules reduces conductor preparation and wiring.

Connection principle:
Significant acceleration of installation and maintenance processes in the field. Tool-free, material- and time-saving, as crimping on wire-end ferrules is no longer necessary. Simply insert the flexible or stranded conductor into the open connection point until it „clicks“. Secure connection that reliably withstands even strong shocks and vibrations.

Application and areas of use:
Wherever flexible conductors without ferrules are used, SNAP IN technology offers the decisive handling advantage. Especially in industries with an increased volume of signals.



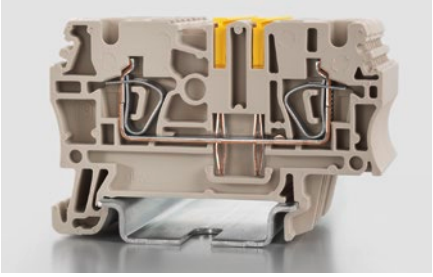
Connection sizes:
0.14 mm^2 to 120 mm^2



Spring connection with PUSH IN technology
The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

Connection principle:
With the PUSH IN connection technology, the force on the conductor is generated by a pressure spring made of highquality, acid-resistant stainless steel. The spring sits in a cage and is automatically opened upon connection. The proven Weidmüller system, which separates the mechanical and the electrical function, ensures both high rated data and high conductor pull-out forces.

Application and areas of use:
PUSH IN technology offers the decisive handling benefit wherever solid conductors or conductors with wire-end ferrules are used. And that is both in machine construction and in building installation.



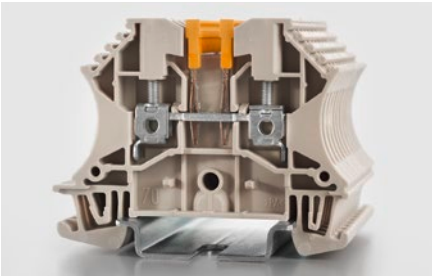
Connection sizes:
0.05 mm² to 35 mm²



Spring connection with tension clamp technology
Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

Connection principle:
The tension clamp system works in a similar way to the proven clamping yoke. The tension clamp made of highquality, acid-resistant stainless steel pulls the conductor against the galvanised copper current bar. The surfacetreated current bar permanently provides a low level of contact resistance and a high level of corrosion resistance.

Application and areas of use:
Its fast wiring times and vibration resistance make tension clamp technology an ideal connection solution in industrial zones such as machine construction, the automotive sector, railway construction and shipbuilding.



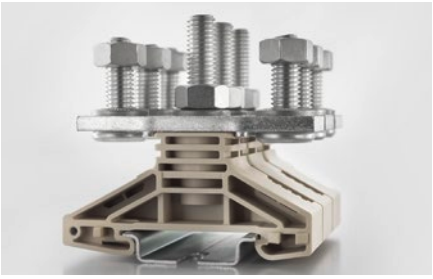
Connection sizes:
0.05 mm² to 240 mm²



Screw connection with clamping yoke technology
The patented Weidmüller clamping yoke system sets standards. The fact that it is simple to handle makes clamping yoke technology the universal screwed connection solution for all conductor types.

Connection principle:
The clamping yoke system combines the specific properties of steel and copper. While the clamping yoke and clamping screw are made of hardened steel, the current is made of copper or high-quality copper alloy. The clamping yoke pulls the conductor to be connected against the current bar. Our clamping yoke system is maintenance-free and guarantees vibration-resistant connections.

Application and areas of use:
The Weidmüller clamping yoke connection is designed to meet the highest demands, such as those encountered in power generation, power measurement, process technology and even switchgear construction.



Connection sizes:
10 mm² to 300 mm²



Screw connection with stud technology
With stud technology, you are relying on an affordable and, at the same time, a safe and robust connection solution for applications in particularly harsh conditions.

Connection principle:
Cable lugs crimped onto the ends of the conductor ensure a secure connection. The cable lugs are put on between the washer on the clamp support and the thrust washer on the stud. The reverse sides of the cable lugs are positioned against one other. Tightening the hexagon nut causes the cable lug flaps to press against one another – thereby creating a secure contact.

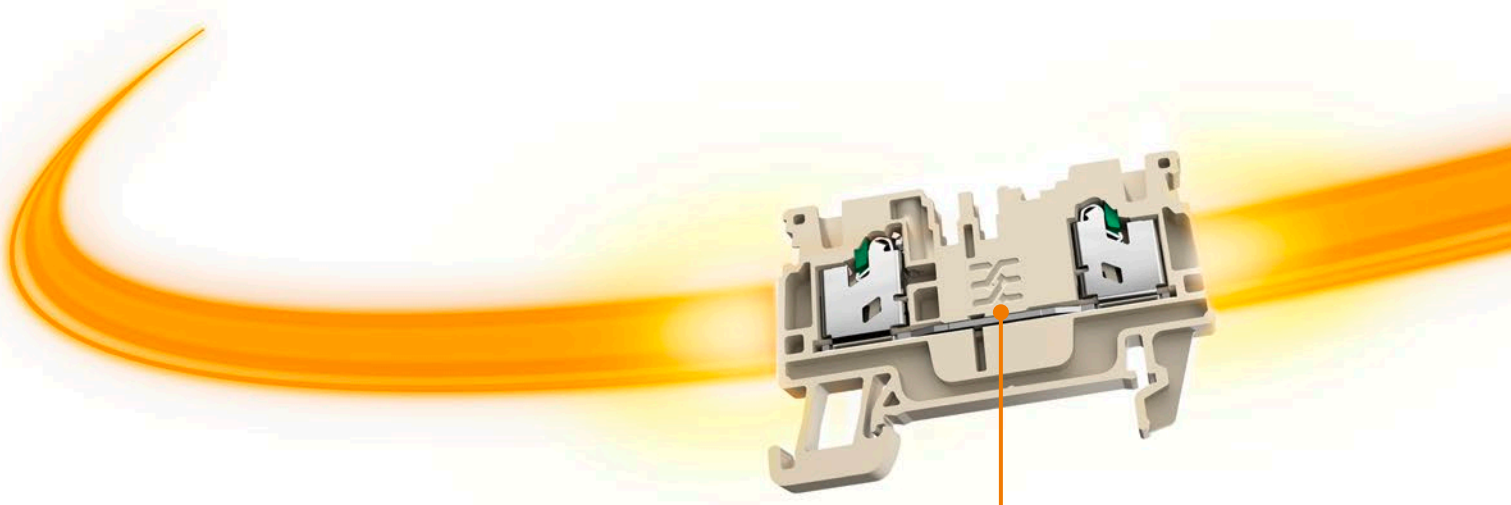
Application and areas of use:
Our stud terminals are particularly suitable for use within traffic engineering, since all stud terminals are tested according to International Railway Industry Standards.

As fast as a SNAP of your fingers

Klippon® Connect accelerates your wiring with innovative SNAP IN technology

Time is money. For this reason, installation work in control cabinet construction must be carried out ever faster, preferably automated. At the same time, the connections should be permanently reliable, safe, and easy to maintain. The new Klippon® Connect terminal blocks with Weidmüller's revolutionary SNAP IN technology meet all these requirements - and are extremely easy to use: stripped fine-stranded conductors just need to be inserted into the connection point, and the connection point snaps shut with a clearly audible click. The conductor is permanently and reliably contacted. To release the connection, press the green pusher. It couldn't be faster or easier.

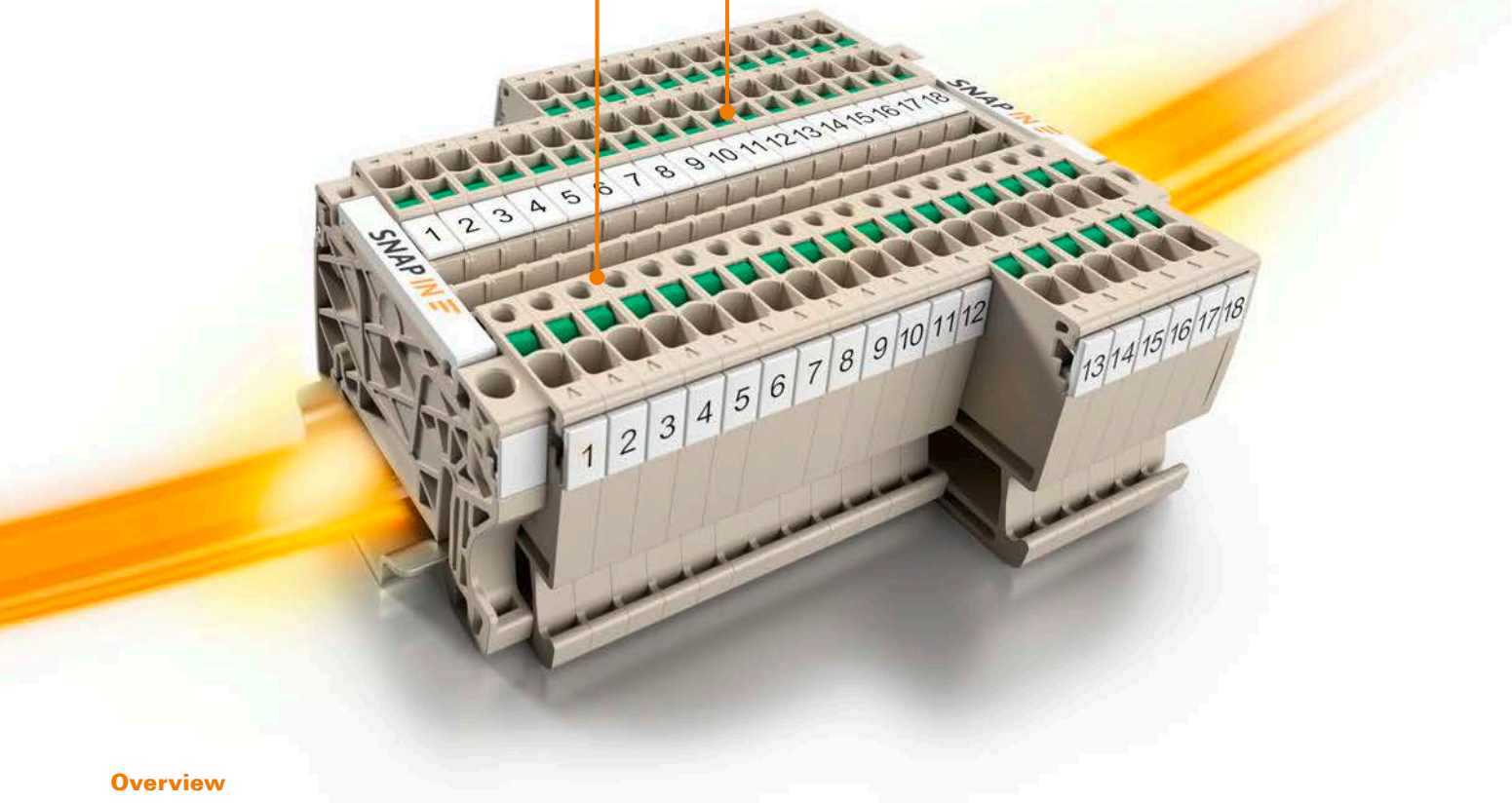
Our promise
Klippon® Connect terminal blocks with SNAP IN technology revolutionize control cabinet wiring through their intuitive and simple handling. The reduction in cable preparation accelerates your wiring times and leads to a more efficient installation process.



Safety
- Audible click signals correct connection
- Standardised test point
- High contact reliability with lowest mating forces
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring

Flexibility
- Ideal for the connection of flexible and fine-stranded conductors with and without ferrule
- Release the conductor with any tool
- Large marking surfaces make maintenance
- Compatible with accessories of the Klippon® Connect A series

Time saving
- Intuitive and simple handling of SNAP IN technology
- Low mating forces due to simple insertion of the stripped conduc tor
- Quick and easy connection even without ferrule
- Clear distinction made between all functional areas



Overview

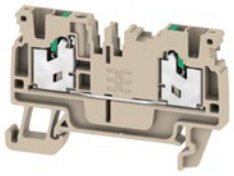
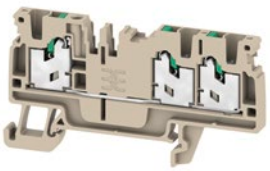
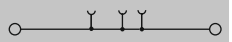
Thanks to the extensive choice of accessories and the different cross-connection options, our SNAP IN terminal blocks are the perfect solution for every requirement.

Functional transparency:
All of the terminal blocks' functions can be clearly differentiated from one another – thus ensuring safe and efficient maintenance work.

Everything with only one hand:
The pretensioned clamping point enables the conductor to be contacted quickly with low insertion forces. The SNAP IN technology supports both work with and without ferrules.

Ready for automation:
A clear design and simple handling provide the perfect prerequisites for the automation of your panel design.



	AS2C 2.5	2.5 mm²	AS3C 2.5	2.5 mm²
	SNAP IN		SNAP IN	
				
Width/Height/Depth mm	5.1 x 59 x 38		5.1 x 71.5 x 38	
max. current / max. cond. cross-section A/mm²	**24 / 2.5**		**24 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data						IEC 60947-7-1						IEC 60947-7-1					
			IEC	UL	CSA	EN 60079-7			IEC	UL	CSA	EN 60079-7		
Rated voltage	V		800						800					
Rated current	A		24						24					
for wire cross-section	mm²		2.5						2.5					
Rated impulse withstand voltage / Pollution severity					8 kV / 3						8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating					A3 / V-0						A3 / V-0			
Approvals														
Clamped conductors (H05V/H07V)		**Rated connection**						**Rated connection**						
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5						0.5...2.5 / 0.5...2.5						
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5						0.5...2.5 / 0.5...2.5						
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm						10 / 0.6 x 3.5 mm						
Note														

Ordering data

Version		Type		Qty.	Order No.	Type		Qty.	Order No.
	dark beige	AS2C 2.5		100	**2674530000**	AS3C 2.5		100	**2674540000**
	Blue	AS2C 2.5 BL		100	**2753940000**	AS3C 2.5 BL		100	**2753950000**
Note									

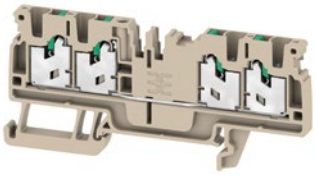
Accessories

Plug-in cross-connection		Type		Qty.	Order No.	Type		Qty.	Order No.
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**	ZQV 2.5N/2	24 A	60	**1527540000**
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**	ZQV 2.5N/10	24 A	20	**1527690000**
End plate									
	dark beige	ASEP 2C 2.5		20	**2751080000**	ASEP 3C 2.5		20	**2751090000**
End bracket									
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter									
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
	3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**	ATPG 2.5/3	0.2 A	25	**2041190000**
	5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
		DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**

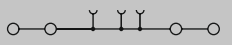
For detailed information on other accessories and application in the online catalogue

AS4C 2.5 — 2.5 mm²

SNAP IN



5.1 x 84 x 38
24 / 2.5
0.14...2.5



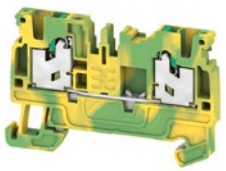
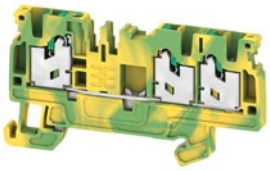
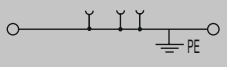
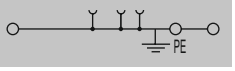
IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AS4C 2.5	100	**2674550000**
AS4C 2.5 BL	100	**2753960000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
ASEP 4C 2.5		20	**2751100000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

	AS2C 2.5 PE	2.5 mm²	AS3C 2.5 PE	2.5 mm²
	SNAP IN		SNAP IN	
				
Width/Height/Depth mm	5.1 x 59 x 38		5.1 x 71.5 x 38	
max. current / max. cond. cross-section A/mm²	**24 / 2.5**		**24 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

	AS2C 2.5 PE	AS3C 2.5 PE
Rated data		
Rated voltage V	IEC 60947-7-2	IEC 60947-7-2
Rated current A	800	800
for wire cross-section mm²	24	24
Rated impulse withstand voltage / Pollution severity	2.5	2.5
Gauge to IEC 60947-1 / UL 94 flammability rating	8 kV / 3	8 kV / 3
Approvals	A3 / V-0	A3 / V-0
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		

IEC	UL	CSA	EN 60079-7

Rated connection

Ordering data

	AS2C 2.5 PE	AS3C 2.5 PE
Version		
dark beige		
Note		

Type	Qty.	Order No.
AS2C 2.5 PE	50	**2674560000**

Type	Qty.	Order No.
AS3C 2.5 PE	50	**2674570000**

Accessories

	AS2C 2.5 PE	AS3C 2.5 PE
End plate		
dark beige		
End bracket		
dark beige, screwable		
dark beige, direct mounting		
Test adapter		
1-pole		
stackable		
3-pole		
5-pole		
Test plug		
Screwdriver		
Standard		
Marking tags		

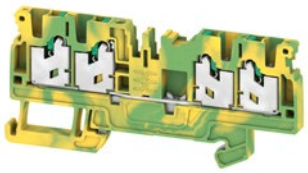
Type		Qty.	Order No.
ASEP 2C 2.5		20	**2751080000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

Type		Qty.	Order No.
ASEP 3C 2.5		20	**2751090000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

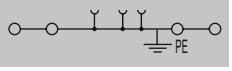
For detailed information on other accessories and application in the online catalogue

AS4C 2.5 PE | 2.5 mm²

SNAP IN



5.1 x 84 x 38
24 / 2.5
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AS4C 2.5 PE	50	**2674580000**

Type		Qty.	Order No.
ASEP 4C 2.5		20	**2751100000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

Fast wiring. But safe.

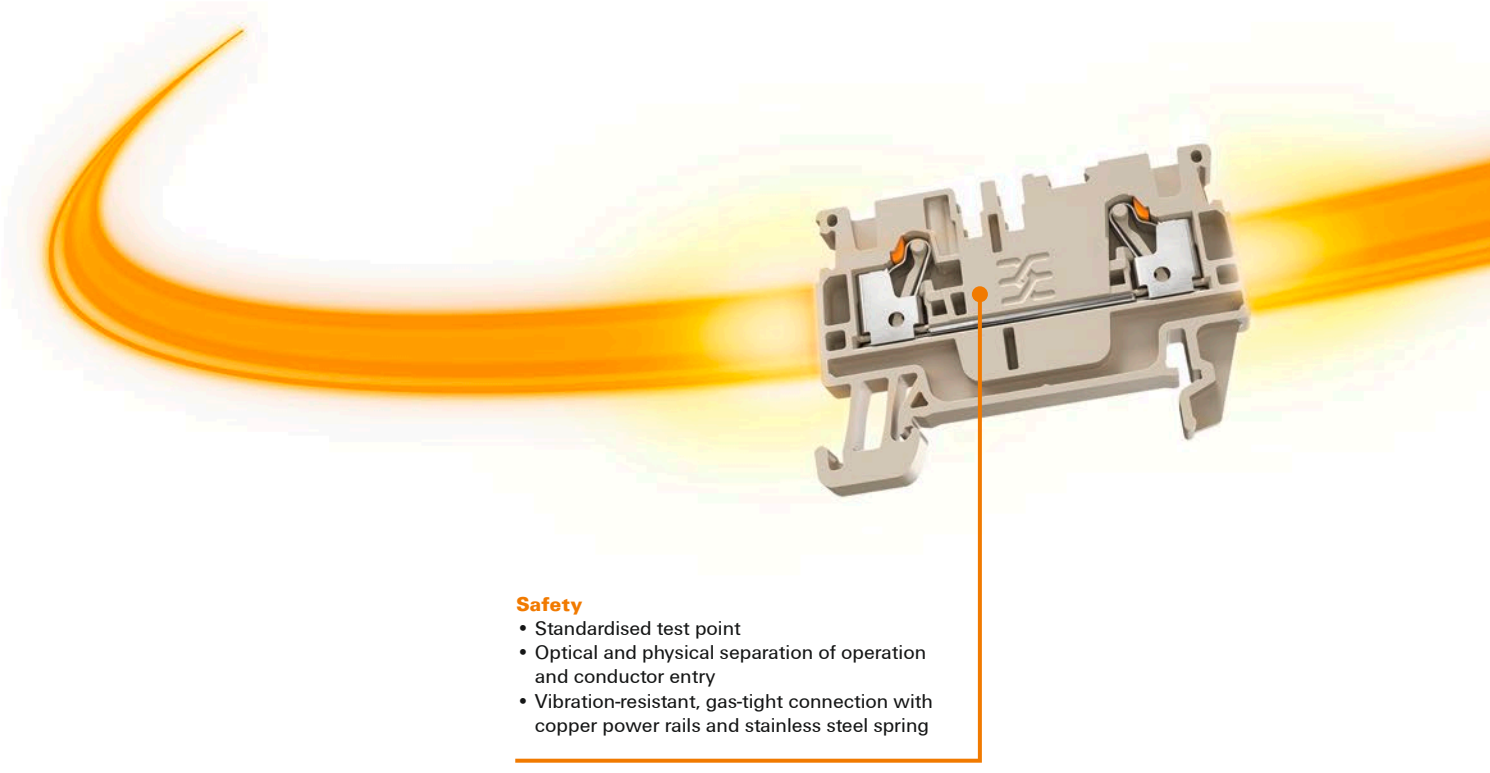
Klippon® Connect enhances your efficiency with PUSH IN technology

Increase your efficiency during installations without compromising on safety. The innovative PUSH IN technology reduces connection times for solid conductors and conductors with crimped-on wire-end ferrules by up to 50 percent compared to tension clamp terminals. The conductor is simply inserted into the contact point as far as the stop and that's it – you have a safe, gas-tight connection. Even stranded-wire conductors can be connected without any problem and without the need for special tools.

Safe and reliable connections are crucial, especially under harsh conditions, such as those encountered in the process industry. PUSH IN technology guarantees optimal contact security and ease of handling, even in demanding applications.

Our promise

Klippon® Connect gives your panel design maximum flexibility thanks to PUSH IN technology. The extremely compact design and simple handling at the same time help to make processes more efficient right from the planning stage.



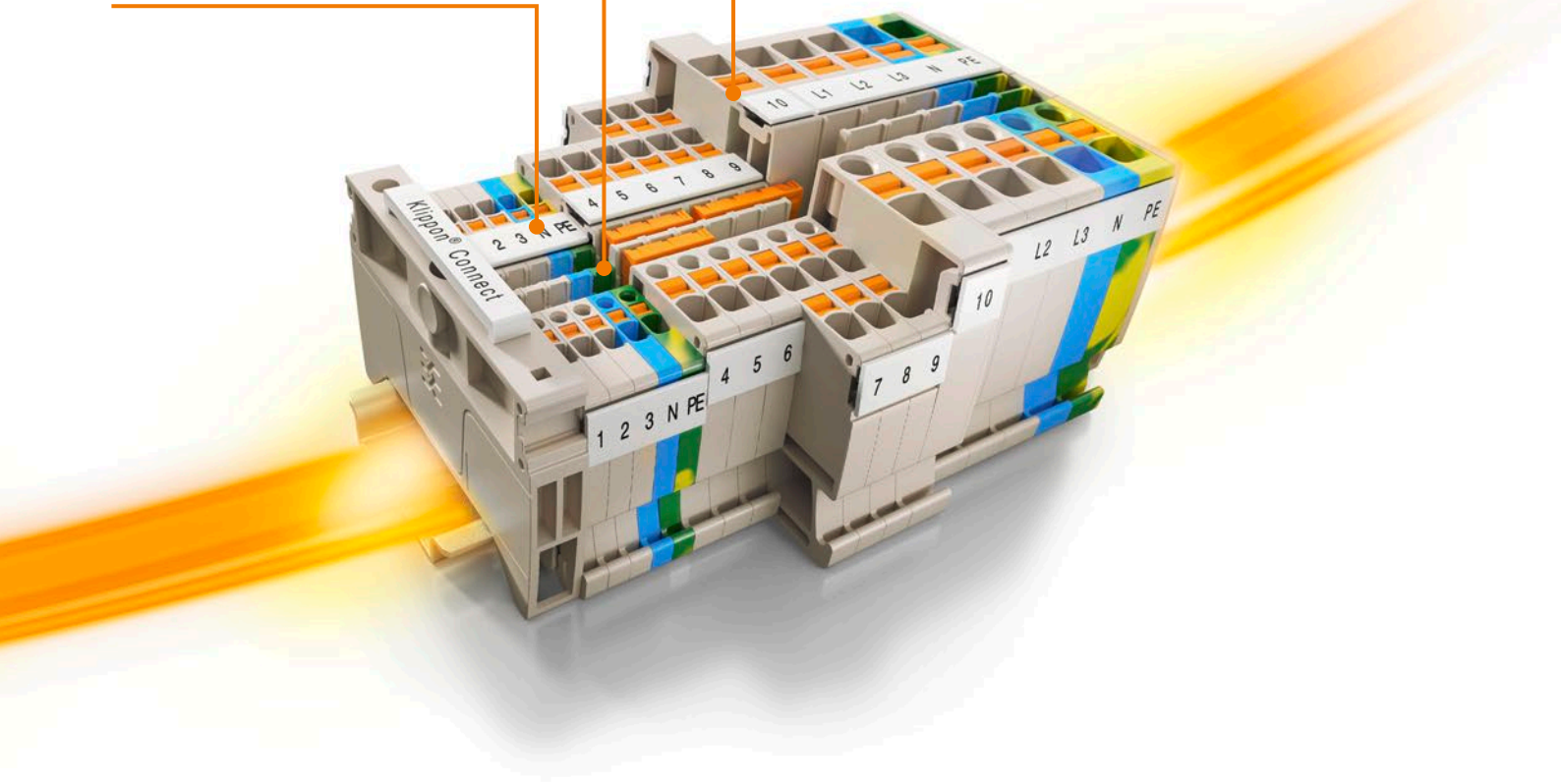
Safety

- Standardised test point
- Optical and physical separation of operation and conductor entry
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring

Flexibility
- Release the conductor with any tool
- Large marking surfaces make maintenance work easier
- Clip-in foot compensates for differences in terminal rail dimensions

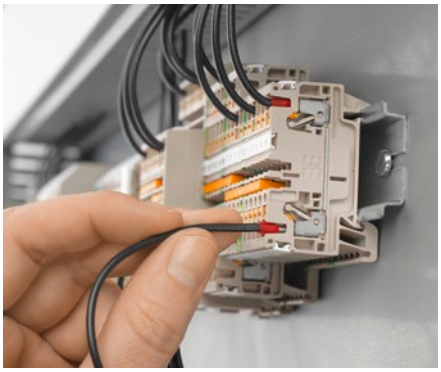
Time saving
- Mounting foot makes unlatching the terminal block easy
- Clear distinction made between all functional areas
- Easier marking and wiring

Space-saving design
- Slim design creates a large amount of space in the panel
- High wiring density despite less space being required on the terminal rail



Overview

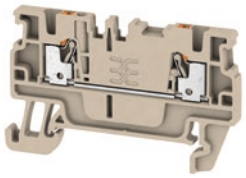
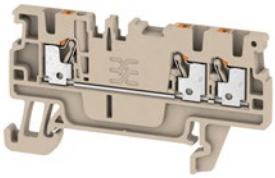
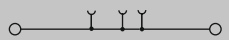
Thanks to the extensive choice of accessories and the different cross-connection options, our PUSH IN terminal blocks are the perfect solution for every requirement.



Functional transparency:
All of the terminal blocks' functions can be clearly differentiated from one another – thus ensuring safe and efficient maintenance work.

Ready for automation:
A clear design and simple handling provide the perfect prerequisites for the automation of your panel design.

Safely prevent incorrect wiring:
The pusher for releasing the contacts ensures safe contact protection.

	A2C 1.5	1.5 mm²	A3C 1.5	1.5 mm²
				
Width/Height/Depth mm	3.5 x 55 x 33.5		3.5 x 61.5 x 33.5	
max. current / max. cond. cross-section A/mm²	**17.5 / 1.5**		**17.5 / 1.5**	
Max. clamping range mm²	**0.14...1.5**		**0.14...1.5**	

Technical data

	A2C 1.5				A3C 1.5			
Rated data								
Rated voltage V	500	300	300	550	500	300	300	440
Rated current A	17.5	13	13	15	17.5	13	13	15
for wire cross-section mm²	1.5	AWG 26...14	AWG 26...14	1.5 mm²	1.5	AWG 26...14	AWG 26...14	1.5 mm²
Rated impulse withstand voltage / Pollution severity	6 kV / 3				6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0				A1 / V-0			
Approvals	IEC 60947-7-1		Ex eb II C Gb	II 2 G D	IEC 60947-7-1		Ex eb II C Gb	II 2 G D
	TUEV16ATEX7909U				TUEV16ATEX7909U			
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1				0.5...1.5 / 0.5...1			
Stripping length / Blade size mm/-	8 / 0.4 x 2.0 mm				8 / 0.4 x 2.0 mm			
Note								

IEC	UL	CSA	EN 60079-7

Ordering data

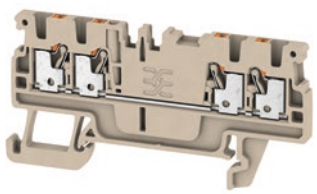
Version	A2C 1.5 Type	Qty.	Order No.	A3C 1.5 Type	Qty.	Order No.
dark beige	A2C 1.5	100	**1552790000**	A3C 1.5	50	**1552740000**
Blue	A2C 1.5 BL	100	**1552820000**	A3C 1.5 BL	50	**1552770000**
Note						

Accessories

Plug-in cross-connection	A2C 1.5 Type		Qty.	Order No.	A3C 1.5 Type		Qty.	Order No.
2-pole								
10-pole								
2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**	ZQV 1.5N/2	17.5 A	60	**1985410000**
10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**	ZQV 1.5N/10	17.5 A	20	**1985580000**
End plate								
dark beige	AEP 2C 1.5		50	**1552600000**	AEP 3C 1.5		50	**1552620000**
Blue	AEP 2C 1.5 BL		50	**1552610000**	AEP 3C 1.5 BL		50	**1552630000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
stackable	ATPG 1.5 MI-R	0.2 A	50	**1991880000**	ATPG 1.5 MI-R	0.2 A	50	**1991880000**
3-pole								
5-pole								
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDS 0.4X2.0X60		1	**2749260000**	SDS 0.4X2.0X60		1	**2749260000**
Marking tags								
	WS 10/3.5 PLUS MC NE WS		960	**2003760000**	WS 10/3.5 PLUS MC NE WS		960	**2003760000**
	DEK 5/3.5 MM WS		1000	**2007100000**	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**	WS 8/3.5 MM WS		1000	**2007140000**
	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

For detailed information on other accessories and application in the online catalogue

A4C 1.5 — 1.5 mm²



3.5 x 67.5 x 33.5
17.5 / 1.5
0.14...1.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

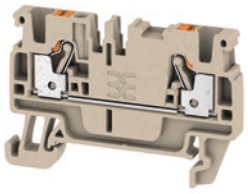
IEC	UL	CSA	EN 60079-7
500	300	300	440
17.5	13	13	15
1.5	AWG 26...14	AWG 26...14	1.5 mm²
6 kV / 3			
A1 / V-0			
TUEV16ATEX7909U			

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
A4C 1.5	100	1552690000
A4C 1.5 BL	100	1552700000

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 4C 1.5		50	1552640000
AEP 4C 1.5 BL		50	1552650000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MI-R	0.2 A	50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

A2C 2.5 — 2.5 mm²



5.1 x 55 x 36.5
24 / 2.5
0.14...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

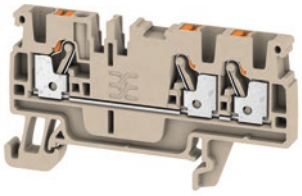
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	20
2.5	AWG 28...12	AWG 28...12	2.5 mm²
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 2.5	100	1521850000
A2C 2.5 BL	100	1521880000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2C 2.5		50	1514400000
AEP 2C 2.5 BL		50	1514420000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

A3C 2.5 — 2.5 mm²



5.1 x 66.5 x 36.5
24 / 2.5
0.14...2.5



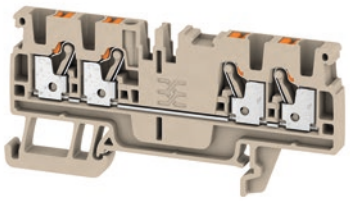
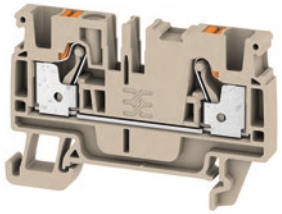
IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm²
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A3C 2.5	100	1521740000
A3C 2.5 BL	100	1521780000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3C 2.5		50	1521510000
AEP 3C 2.5 BL		50	1521520000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

		A4C 2.5	2.5 mm²	A2C 4	4 mm²
					
Width/Height/Depth	mm	5.1 x 77.5 x 36.5		6.1 x 60 x 39.5	
max. current / max. cond. cross-section	A/mm²	**24 / 2.5**		**32 / 4**	
Max. clamping range	mm²	**0.14...2.5**		**0.14...4**	

Technical data

		A4C 2.5				A2C 4			
Rated data									
Rated voltage	V	IEC 60947-7-1			Ex eb II C Gb II 2 G D	IEC 60947-7-1			Ex eb II C Gb II 2 G D
Rated current	A	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	mm²	800	600	600	550	800	600	600	550
Rated impulse withstand voltage / Pollution severity		24	20	20	21	32	30	30	28
Gauge to IEC 60947-1 / UL 94 flammability rating		2.5	AWG 28...12	AWG 28...12	2.5 mm²	4	AWG 28...10	AWG 26...10	4 mm²
Approvals		8 kV / 3				8 kV / 3			
		A3 / V-0				A4 / V-0			
		TUEV16ATEX7909U				TUEV16ATEX7909U			
Clamped conductors (H05V/H07V)									
Solid / Stranded	mm²	**Rated connection**				**Rated connection**			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...4 / 0.5...4			
Stripping length / Blade size	mm/-	0.5...2.5 / 0.5...2.5				0.5...4 / 0.5...4			
		10 / 0.6 x 3.5 mm				12 / 0.6 x 3.5 mm			
Note									

Ordering data

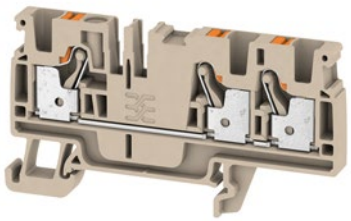
		A4C 2.5			A2C 4		
Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	dark beige	A4C 2.5	100	**1521690000**	A2C 4	100	**2051180000**
	Blue	A4C 2.5 BL	100	**1521700000**	A2C 4 BL	100	**2051210000**
Note							

Accessories

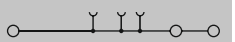
		A4C 2.5				A2C 4			
Plug-in cross-connection		**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**				
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**				
	2-pole					ZQV 4N/2	32 A	60	**1527930000**
	10-pole					ZQV 4N/10	32 A	20	**1528090000**
End plate									
	dark beige	AEP 4C 2.5		50	**1521530000**	AEP 2C 4		50	**2051680000**
	Blue	AEP 4C 2.5 BL		50	**1521640000**	AEP 2C 4 BL		50	**2051690000**
End bracket									
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter									
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 4 MI-R	0.2 A	50	**1991860000**
	3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**				
	5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**				
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	WS 10/6 M PLUS MC NE WS		600	**2003780000**
		DEK 5/5 MM WS		800	**2007110000**	DEK 5/6 MM WS		600	**2007120000**
		WS 8/5 MM WS		800	**2007150000**	WS 8/6 MM WS		600	**2007160000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**	DEK 5/6 PLUS MC NE WS		1000	**1011320000**

For detailed information on other accessories and application in the online catalogue

A3C 4 — 4 mm²



6.1 x 74 x 39.5
32 / 4
0.14...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

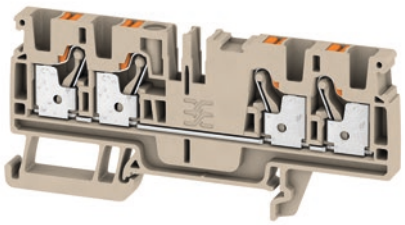
IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	29
4	AWG 28...10	AWG 26...10	4 mm²
	8 kV / 3		
	A4 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

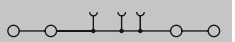
Type	Qty.	Order No.
A3C 4	50	**2051240000**
A3C 4 BL	50	**2051280000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 3C 4		20	**2051720000**
AEP 3C 4 BL		20	**2051880000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 4 MI-R	0.2 A	50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

A4C 4 — 4 mm²



6.1 x 87.5 x 39.5
32 / 4
0.14...4



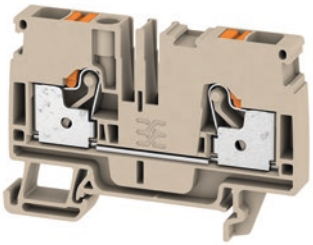
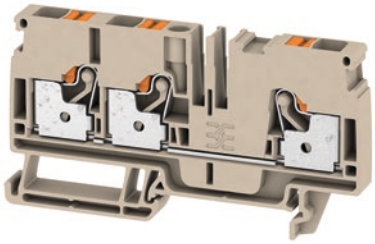
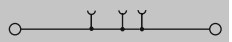
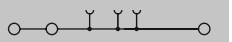
IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	30
4	AWG 28...10	AWG 26...10	4 mm²
	8 kV / 3		
	A4 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A4C 4	50	**2051500000**
A4C 4 BL	50	**2051520000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 4C 4		20	**2051900000**
AEP 4C 4 BL		20	**2051910000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 4 MI-R	0.2 A	50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

	A2C 6	A3C 6
	6 mm²	6 mm²
		
Width/Height/Depth mm	8.1 x 66.5 x 45.5	8.1 x 84.5 x 45.5
max. current / max. cond. cross-section A/mm²	41 / 6	41 / 6
Max. clamping range mm²	0.34...6	0.34...6
		
	IEC 60947-7-1 Ex eb II C Gb II 2 G D	IEC 60947-7-1 Ex eb II C Gb II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	550
Rated current A	41	38	38	37
for wire cross-section mm²	6	AWG 22...8	AWG 22...8	6 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals				TUEV16ATEX7909U

Clamped conductors (H05V/H07V)	Rated connection	Rated connection
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	A2C 6	50	1992110000	A3C 6	50	1991820000
Blue	A2C 6 BL	50	1991790000	A3C 6 BL	50	1991830000
Note						

Accessories

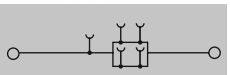
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 6N/2	41 A	60	1985740000	ZQV 6N/2	41 A	60	1985740000
End plate								
dark beige	AEP 2C 6		50	1991970000	AEP 3C 6		50	1991940000
Blue	AEP 2C 6 BL		50	1991950000	AEP 3C 6 BL		20	1991910000
End bracket								
dark beige, screwable	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 6 MI-R	0.2 A	50	1991930000	ATPG 6 MI-R	0.2 A	50	1991930000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDIL 1,0X5,5X125		1	2749160000	SDIL 1,0X5,5X125		1	2749160000
Marking tags								
	DEK-A 5/8 MM WS		500	2448860000	DEK-A 5/8 MM WS		500	2448860000
	WS-A 8/8 MM WS		500	2448930000	WS-A 8/8 MM WS		500	2448930000
	DEK 5/8 PLUS MC NE WS		800	1046350000	DEK 5/8 PLUS MC NE WS		800	1046350000
	WS 10/8 PLUS MC NE WS		420	1905950000	WS 10/8 PLUS MC NE WS		420	1905950000

For detailed information on other accessories and application in the online catalogue

ALO 6 — 6 mm²



Width/Height/Depth	9 x 77 x 45.5 mm
max. current / max. cond. cross-section	**41 / 6** A/mm²
Max. clamping range	**0.34...6** mm²



IEC 60947-7-1

Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	550 V
Rated current	41	38	38	33 A
for wire cross-section	6	AWG 22...8	AWG 22...8	6 mm² mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals				TUEV16ATEX7909U
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...6 / 0.5...6 mm²			
Flexible / Flexible with ferrule	0.5...6 / 0.5...6 mm²			
Stripping length / Blade size	12 / 1.0 x 5.5 mm mm/-			

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	ALO 6	20	**1991780000**
Blue	ALO 6 BL	20	**2065120000**

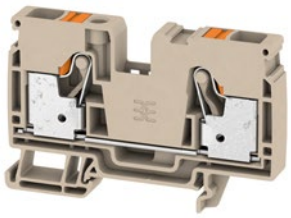
Note

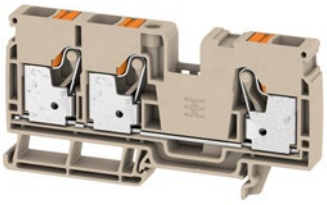
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**
10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 1,0X5,5X125		1	**2749160000**
Marking tags				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

For detailed information on other accessories and application in the online catalogue

	A2C 10	A3C 10
	10 mm²	10 mm²
Width/Height/Depth mm	10 x 80.5 x 51.5	10 x 102 x 51.5
max. current / max. cond. cross-section A/mm²	57 / 10	57 / 10
Max. clamping range mm²	0.5...10	0.5...10





Technical data

Rated data	A2C 10	A3C 10
DIN EN 60947-7-1	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
IEC	1000	1000
UL	600	600
CSA	600	600
EN 60079-7	550	550
Rated voltage V	57	57
Rated current A	55	55
for wire cross-section mm²	55	55
	52	52
	10	10
	AWG 20...6	AWG 20...6
	AWG 20...6	AWG 20...6
	10 mm²	10 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A6 / V-0	A6 / V-0
Approvals	TUEV16ATEX7909U	TUEV16ATEX7909U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note		

Ordering data

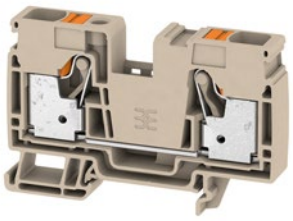
Version	A2C 10	A3C 10
Type	A2C 10	A3C 10
Qty.	25	25
Order No.	2490360000	2490520000
dark beige		
Blue	A2C 10 BL	A3C 10 BL
	25	25
	2490370000	2490510000
Note		

Accessories

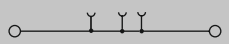
Plug-in cross-connection	A2C 10	A3C 10
Type	ZQV 10N/2 57 A	ZQV 10N/2 57 A
Qty.	25	25
Order No.	2497250000	2497250000
2-pole		
10-pole		
2-pole		
10-pole		
2-pole		
10-pole		
2-pole		
End bracket		
dark beige, screwable	AEB 35 SC/1 50 1991920000	AEB 35 SC/1 50 1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0 20 2661280000	AEB 35 SCL/1 V0 20 2661280000
Test adapter		
1-pole	ATPG 10 MI-R 0.2 A 50 1991870000	ATPG 10 MI-R 0.2 A 50 1991870000
Test plug		
	PS 2.0 MC 20 0310000000	PS 2.0 MC 20 0310000000
Screwdriver		
Standard	SDIL 1,0X5,5X125 1 2749160000	SDIL 1,0X5,5X125 1 2749160000
Marking tags		
	WS 7.8/9.2 PLUS MC NE GR 360 1208970000	WS 7.8/9.2 PLUS MC NE GR 360 1208970000
End plate		
dark beige	AEP 2C 10/16 20 2490380000	AEP 3C 10/16 20 2490530000
blue	AEP 2C 10/16 BL 20 2490390000	AEP 3C 10/16 BL 20 2490540000

For detailed information on other accessories and application in the online catalogue

A2C 16 — 16 mm²



12 x 80.5 x 51.5
76 / 16
0.5...16



IEC 60947-7-1

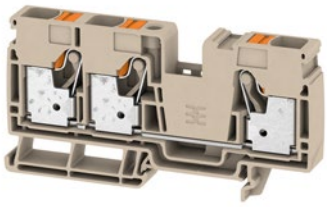
IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	62	62	64
16	AWG 18...6	AWG 18...6	16 mm²
8 kV / 3			
A6 / V-0			
			TUEV16ATEX7909U

Rated connection
0.5...16 / 0.5...16
0.5...16 / 0.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 16	20	2494000000
A2C 16 BL	20	2494100000

Type		Qty.	Order No.
ZQV 16N/2	76 A	25	2497290000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
AEP 2C 10/16		20	2490380000
AEP 2C 10/16 BL		20	2490390000

A3C 16 — 16 mm²



12 x 102 x 51.5
76 / 16
0.5...16



IEC 60947-7-1

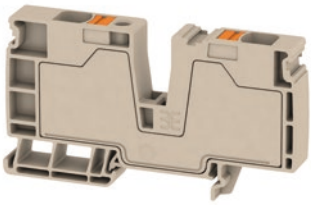
IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	62	62	64
16	AWG 18...6	AWG 18...6	16 mm²
8 kV / 3			
A6 / V-0			
			TUEV16ATEX7909U

Rated connection
0.5...16 / 0.5...16
0.5...16 / 0.5...16
18 / 1.0 x 5.5 mm

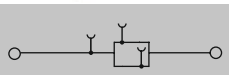
Type	Qty.	Order No.
A3C 16	20	2494090000
A3C 16 BL	20	2494080000

Type		Qty.	Order No.
ZQV 16N/2	76 A	25	2497290000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
AEP 3C 10/16		20	2490530000
AEP 3C 10/16 BL		20	2490540000

ALO 16 — 16 mm²



12 x 95.5 x 51.5
76 / 16
0.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	62	62	69
16	AWG 18...6	AWG 18...6	16 mm²
8 kV / 3			
A6 / V-0			
			TUEV16ATEX7909U

Rated connection
0.5...10 / 0.5...16
0.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ALO 16	20	2502280000
ALO 16 BL	20	2502320000

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
ZQV 6N/2	41 A	60	1985740000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

	A2C 35	A2C 35 DM
	35 mm²	35 mm²
		
Width/Height/Depth mm	16 x 101.5 x 71.5	16 x 135 x 71.5
max. current / max. cond. cross-section A/mm²	**125 / 35** 	**125 / 35** 
Max. clamping range mm²	**2.5...35**	**2.5...35**

Technical data

Rated data	A2C 35	A2C 35 DM
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC 1000 / UL 1000 / CSA / EN 60079-7 880	IEC 1000 / UL 1000 / CSA / EN 60079-7 880
for wire cross-section mm²	125 / 113 / 105	125 / 113 / 105
Rated impulse withstand voltage / Pollution severity	35 / AWG 12...2 / 35 mm²	35 / AWG 12...2 / 35 mm²
Gauge to IEC 60947-1 / UL 94 flammability rating	8 kV / 3 / V-0	8 kV / 3 / V-0
Approvals	TUEV16ATEX7909U	TUEV16ATEX7909U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	2.5...16 / 10...35	2.5...16 / 10...35
Flexible / Flexible with ferrule mm²	10...35 / 2.5...35	10...35 / 2.5...35
Stripping length / Blade size mm/-	25 / 1.0 x 5.5 mm	25 / 1.0 x 5.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2C 35	10	**2551510000**
Blue	A2C 35 BL	10	**2552090000**
Note			

Type	Qty.	Order No.
A2C 35 DM	10	**2551550000**
A2C 35 BL DM	10	**2552150000**

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 35N/2	125 A	10	**2634950000**
2-pole	ZQV 35N-10	57 A	10	**2562670000**
2-pole	ZQV 35N-16	76 A	10	**2562660000**
Additional tap				
dark beige	AAC 35 2X6	42 A	5	**2583090000**
blue	AAC 35 2X6 BL	42 A	5	**2583170000**
black/yellow	AAC 35 2X6 BK-YL	42 A	5	**2583190000**
green/yellow	AAC 35 2X6 GN-YL		5	**2583180000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Warning labels				
	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags				
	WS-A 8/16 MM WS		200	**2619910000**
Cross connections insertable				
2-pole				
3-pole				

Type		Qty.	Order No.
ZQV 35N/2	125 A	10	**2634950000**
ZQV 35N-10	57 A	10	**2562670000**
ZQV 35N-16	76 A	10	**2562660000**
AAC 35 2X6	42 A	5	**2583090000**
AAC 35 2X6 BL	42 A	5	**2583170000**
AAC 35 2X6 BK-YL	42 A	5	**2583190000**
AAC 35 2X6 GN-YL		5	**2583180000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

For detailed information on other accessories and application in the online catalogue

A2C 50/70 — 50 mm²



20 x 101.5 x 80.5
150 / 70
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		
150	175		
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

cULus

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 50/70	5	2663250000
A2C 50/70 BL	5	2663260000

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL		5	2663440000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000
ZQV 50/70N/2	150 A	10	2663400000

A2C 50/70 DM — 50 mm²



20 x 134 x 80.5
150 / 70
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		
150	175		
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

cULus

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 50/70-DM	5	2663330000
A2C 50/70 BL-DM	5	2663340000

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL		5	2663440000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000
ZQV 50/70N/2	150 A	10	2663400000

A2C 95/120 — 95 mm²



25 x 101.5 x 90
232 / 120
25...120



IEC 60947-7-1

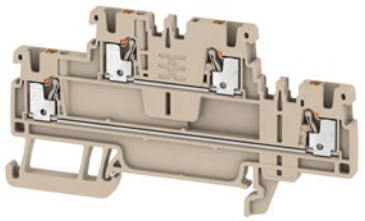
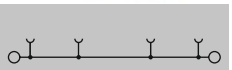
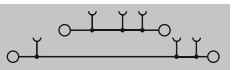
IEC	UL	CSA	EN 60079-7
1000			
232			
95			
		/ 3	
		/ V-0	

CE

Rated connection
25...120 / 25...120
25...120 / 25...95
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 95/120	10	2694060000
A2C 95/120 BL	10	2694070000

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL		5	2663440000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000
ZQV 95/120N/2	232 A	10	2694250000
ZQV 95/120N/3	232 A	10	2694260000

	A2C 95/120 DM	A2T 1.5
	95 mm²	1.5 mm²
		
Width/Height/Depth mm	25 x 133.5 x 90	3.5 x 84 x 45
max. current / max. cond. cross-section A/mm²	232 / 120	16 / 1.5
Max. clamping range mm²	25...120	0.14...1.5
		

Technical data

	A2C 95/120 DM	A2T 1.5
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	1000	500
for wire cross-section mm²	232	16
Rated impulse withstand voltage / Pollution severity	95	1.5
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Stripping length / Blade size mm/-		
Note		

IEC	UL	CSA	EN 60079-7
1000			
232			
95			
		/ 3	
		/ V-0	
CE			
Rated connection			
25...120 / 25...120			
25...120 / 25...95			
30 / 1.0 x 5.5 mm			

IEC	UL	CSA	EN 60079-7
		Ex eb II C Gb	II 2 G D
500	300	300	440
16	13	13	13.5
1.5	AWG 26...14	AWG 26...14	1.5 mm²
		6 kV / 3	
		A1 / V-0	
			TUEV16ATEX7909U
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2C 95/120-DM	5	2694150000
Blue	A2C 95/120 BL-DM	10	2694160000
Note			

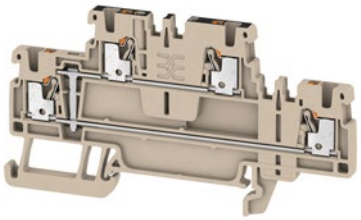
Type	Qty.	Order No.
A2T 1.5	50	2469370000
A2T 1.5 BL	50	2471430000

Accessories

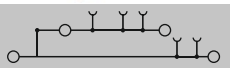
Plug-in cross-connection	Type		Qty.	Order No.
2-pole				
10-pole				
End plate				
dark beige				
Blue				
End bracket				
dark beige, screwable				
dark beige, direct mounting				
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable				
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDS 1.0X5.5X150		1	2749380000
Marking tags				
	WS-A 8/16 MM WS		200	2619910000
Cross connections insertable				
2-pole	ZQV 95/120N/2	232 A	10	2694250000
3-pole	ZQV 95/120N/3	232 A	10	2694260000
Additional tap				
dark beige	AAC 50-185 2X10	57 A	5	2663420000
blue	AAC 50-185 2X10 BL	57 A	5	2663430000
black/yellow	AAC 50-185 2X10 BK-YL	57 A	5	2663450000
green/yellow	AAC 50-185 2X10 GN-YL		5	2663440000
Warning labels				
	AAM 35-185 YE FLASH		40	2635600000
For detailed information on other accessories and application in the online catalogue				

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 VO		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MI-R	0.2 A	50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
SNAPMARK 1.5		40	2682080000

A2T 1.5 VL — 1.5 mm²



3.5 x 84 x 45
16 / 1.5
0.14...1.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

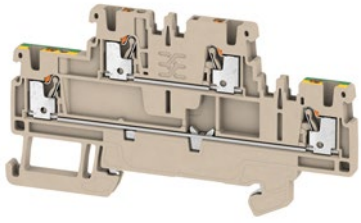
IEC	UL	CSA	EN 60079-7
500	300	300	440
16	13	13	13.5
1.5	AWG 26...14	AWG 26...14	1.5 mm²
	6 kV / 3		
	A1 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

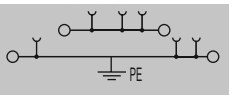
Type	Qty.	Order No.
A2T 1.5 VL	50	2469400000
A2T 1.5 VL BL	50	2471450000

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MI-R	0.2 A	50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
SNAPMARK 1.5		40	2682080000

A2T 1.5 FT-PE — 1.5 mm²



3.5 x 84 x 45
16 / 1.5
0.14...1.5



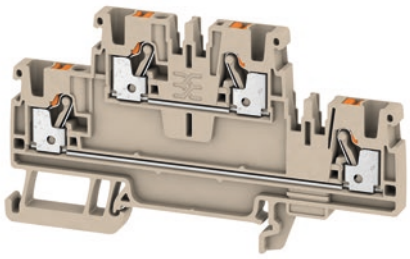
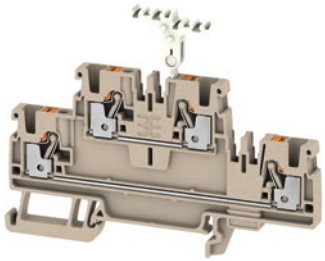
IEC 60947-7-1, IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
16	13	13	13.5
1.5	AWG 26...14	AWG 26...14	1.5 mm²
	6 kV / 3		
	A1 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
A2T 1.5 FT-PE	50	2469390000

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MI-R	0.2 A	50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
SNAPMARK 1.5		40	2682080000

		A2T 2.5	2.5 mm²	A2T 2.5 SNAPMARK	2.5 mm²
					
Width/Height/Depth	mm	5.1 x 90 x 50.5		5.1 x 90 x 69	
max. current / max. cond. cross-section	A/mm²	**24 / 2.5**		**24 / 2.5**	
Max. clamping range	mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

		A2T 2.5				A2T 2.5 SNAPMARK			
Rated data									
Rated voltage	V	IEC 60947-7-1				IEC 60947-7-1			
Rated current	A								
for wire cross-section	mm²								
Rated impulse withstand voltage / Pollution severity									
Gauge to IEC 60947-1 / UL 94 flammability rating									
Approvals									
Clamped conductors (H05V/H07V)									
Solid / Stranded	mm²								
Flexible / Flexible with ferrule	mm²								
Stripping length / Blade size	mm/-								
Note									

Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TUEV16ATEX7909U
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

Ordering data

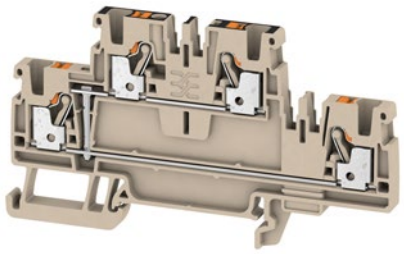
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	A2T 2.5	50	**1547610000**	A2T 2.5 SNAPMARK	50	**2581250000**
	Blue	A2T 2.5 BL	50	**1547620000**	A2T 2.5 SNAPMARK BL	50	**2581280000**
Note							

Accessories

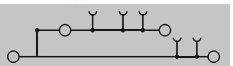
Plug-in cross-connection		Type		Qty.	Order No.	Type		Qty.	Order No.
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**	ZQV 2.5N/2	24 A	60	**1527540000**
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**	ZQV 2.5N/10	24 A	20	**1527690000**
	2-pole								
	10-pole								
End plate									
	dark beige	AEP 2T 2.5		20	**1547690000**	AEP 3T 2.5		20	**2428560000**
	blue	AEP 2T 2.5 BL		20	**1547700000**	AEP 3T 2.5 BL		20	**2428860000**
End bracket									
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter									
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
	3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**	ATPG 2.5/3	0.2 A	25	**2041190000**
	5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
		DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**
		SNAPMARK I		50	**1805880000**				

For detailed information on other accessories and application in the online catalogue

A2T 2.5 VL — 2.5 mm²



5.1 x 90 x 50.5
24 / 2.5
0.14...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

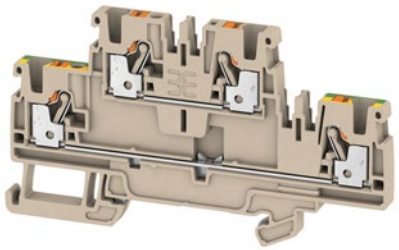
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

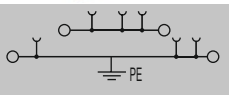
Type	Qty.	Order No.
A2T 2.5 VL	50	1547650000
A2T 2.5 VL BL	50	1547660000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

A2T 2.5 FT-PE — 2.5 mm²



5.1 x 90 x 50.5
24 / 2.5
0.14...2.5



IEC 60947-7-1, IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

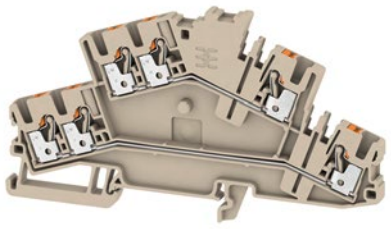
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

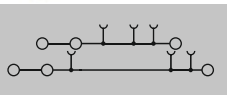
Type	Qty.	Order No.
A2T 2.5 FT-PE	50	1547640000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

A2T 2.5 3C — 2.5 mm²



5.1 x 114.5 x 64
22 / 2.5
0.14...2.5



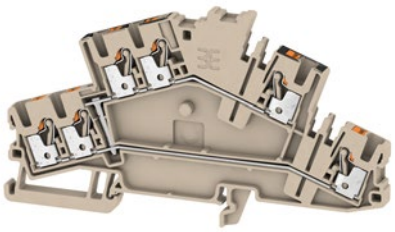
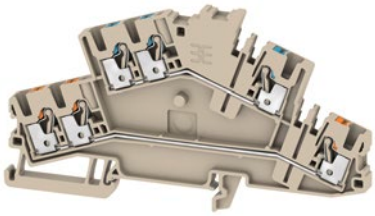
IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	300		550
22	20		19
2.5	AWG 28...12		2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2T 2.5 3C	50	2531290000
A2T 2.5 3C BL	50	2531510000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5 3C		20	2532690000
AEP 2T 2.5 3C BL		20	2532700000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

		A2T 2.5 3C VL	2.5 mm²	A2T 2.5 3C N-FT	2.5 mm²
					
Width/Height/Depth	mm	5.1 x 114.5 x 64		5.1 x 114.5 x 64	
max. current / max. cond. cross-section	A/mm²	**22 / 2.5**		**22 / 2.5**	
Max. clamping range	mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data					
Rated voltage	V	IEC 60947-7-1		Ex eb II C Gb II 2 G D	IEC 60947-7-1
Rated current	A	800	300	550	800
for wire cross-section	mm²	22	20	19	22
		2.5	AWG 28...12	2.5 mm²	2.5
Rated impulse withstand voltage / Pollution severity			8 kV / 3		8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		/ V-0
Approvals				TUEV16ATEX7909U	
Clamped conductors (H05V/H07V)		**Rated connection**			**Rated connection**
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5			0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5			0.5...2.5 / 0.5...2.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			10 / 0.6 x 3.5 mm
Note					

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	A2T 2.5 3C VL	50	**2531310000**	A2T 2.5 3C N-FT	50	**2736830000**
	Blue	A2T 2.5 3C VL BL	50	**2531530000**			
Note							

Accessories

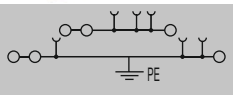
Plug-in cross-connection							
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**	ZQV 2.5N/2	24 A	60	**1527540000**
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**	ZQV 2.5N/10	24 A	20	**1527690000**
	2-pole								
	10-pole								
End plate									
	dark beige	AEP 2T 2.5		20	**1547690000**	AEP 2T 2.5		20	**1547690000**
	blue	AEP 2T 2.5 BL		20	**1547700000**	AEP 2T 2.5 BL		20	**1547700000**
End bracket									
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter									
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
	3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**	ATPG 2.5/3	0.2 A	25	**2041190000**
	5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
		DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**
		SNAPMARK I		50	**1805880000**	SNAPMARK I		50	**1805880000**

For detailed information on other accessories and application in the online catalogue

A2T 2.5 3C FT-PE — 2.5 mm²



5.1 x 114.5 x 64
22 / 2.5
0.14...2.5



IEC 60947-7-1

Ex eb II C Gb — II 2 G D

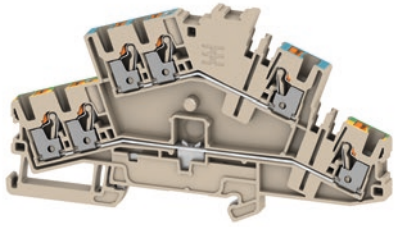
IEC	UL	CSA	EN 60079-7
800	300		550
22	20		19
2.5	AWG 28...12		2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

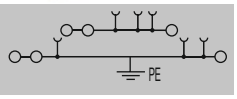
Type	Qty.	Order No.
A2T 2.5 3C FT-PE	50	**2531300000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEP 2T 2.5 BL		20	**1547700000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

A2T 2.5 3C N-PE — 2.5 mm²



5.1 x 114.5 x 64
22 / 2.5
0.14...2.5



IEC 60947-7-1

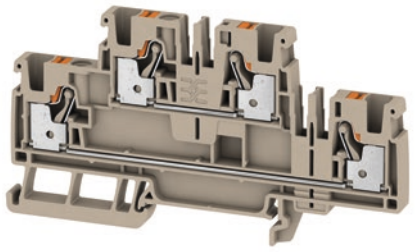
IEC	UL	CSA	EN 60079-7
800			
22			
2.5			
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

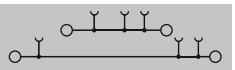
Type	Qty.	Order No.
A2T 2.5 3C N-PE	50	**2623550000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEP 2T 2.5 BL		20	**1547700000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

A2T 4 — 4 mm²



6.1 x 100 x 53.5
32 / 4
0.14...4



IEC 60947-7-1

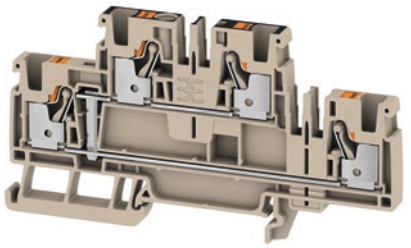
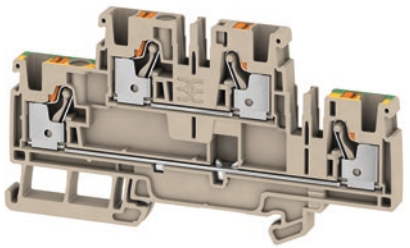
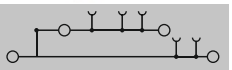
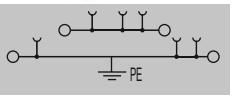
IEC	UL	CSA	EN 60079-7
800	600		550
32	30		25
4	AWG 26...10		4 mm²
	8 kV / 3		
	A4 / V-0		
			TUEV16ATEX7909U

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2T 4	50	**2539970000**
A2T 4 BL	50	**2540040000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 2T 4		20	**2540000000**
AEP 2T 4 BL		20	**2540010000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 4 MI-R	0.2 A	50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

Spring connection with PUSH IN technology (A-Series)
Feed-through terminal blocks

	A2T 4 VL	A2T 4 FT-PE
	4 mm²	4 mm²
		
Width/Height/Depth mm	6.1 x 100 x 53.5	6.1 x 100 x 53.5
max. current / max. cond. cross-section A/mm²	**32 / 4**	**32 / 4**
Max. clamping range mm²	**0.14...4**	**0.14...4**
		

Technical data

	A2T 4 VL	A2T 4 FT-PE
Rated data	IEC 60947-7-1	IEC 60947-7-1, IEC 60947-7-2
Rated voltage V	800	800
Rated current A	32	32
for wire cross-section mm²	4	4
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0	A4 / V-0
Approvals	TUEV16ATEX7909U	TUEV16ATEX7909U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Stripping length / Blade size mm/-	12 / 0.6 x 3.5 mm	12 / 0.6 x 3.5 mm

Approvals	IEC	UL	CSA	EN 60079-7
A2T 4 VL	800	600		550
	32	30		25
	4	AWG 26...10		4 mm²
		8 kV / 3		
		A4 / V-0		
	TUEV16ATEX7909U			
A2T 4 FT-PE	800	600		550
	32	30		25
	4	AWG 26...10		4 mm²
		8 kV / 3		
		A4 / V-0		
	TUEV16ATEX7909U			

Note

Ordering data

Version	A2T 4 VL Type	Qty.	Order No.	A2T 4 FT-PE Type	Qty.	Order No.
dark beige	A2T 4 VL	50	**2540020000**	A2T 4 FT-PE	50	**2539980000**
Blue	A2T 4 VL BL	50	**2540030000**			

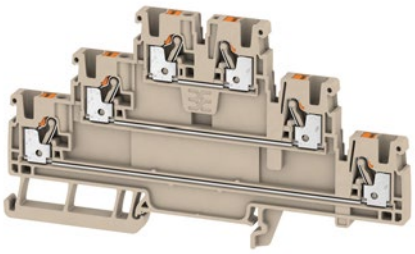
Note

Accessories

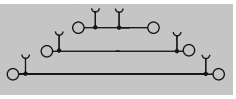
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole								
10-pole								
2-pole	ZQV 4N/2	32 A	60	**1527930000**	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**	ZQV 4N/10	32 A	20	**1528090000**
End plate								
dark beige	AEP 2T 4		20	**2540000000**	AEP 2T 4		20	**2540000000**
blue	AEP 2T 4 BL		20	**2540010000**	AEP 2T 4 BL		20	**2540010000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 VO		20	**2661280000**	AEB 35 SCL/1 VO		20	**2661280000**
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
stackable	ATPG 4 MI-R	0.2 A	50	**1991860000**	ATPG 4 MI-R	0.2 A	50	**1991860000**
3-pole								
5-pole								
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**
	SNAPMARK I		50	**1805880000**	SNAPMARK I		50	**1805880000**

For detailed information on other accessories and application in the online catalogue

A3T 2.5 — 2.5 mm²



5.1 x 116 x 64.5
22 / 2.5
0.14...2.5



DIN EN 60947-7-1 — Ex eb II C Gb — II 2 G D

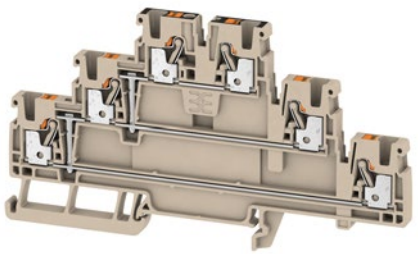
IEC	UL	CSA	EN 60079-7
800	300	300	550
22	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm²
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

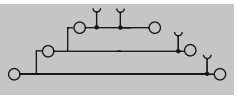
Type	Qty.	Order No.
A3T 2.5	50	**2428510000**
A3T 2.5 BL	50	**2428520000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 3T 2.5		20	**2428560000**
AEP 3T 2.5 BL		20	**2428860000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

A3T 2.5 VL — 2.5 mm²



5.1 x 116 x 64.5
24 / 2.5
0.14...2.5



DIN EN 60947-7-1 — Ex eb II C Gb — II 2 G D

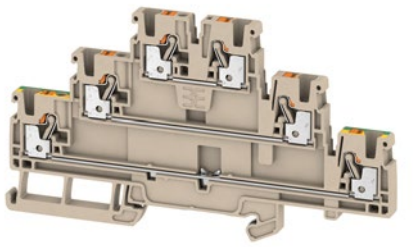
IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm²
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

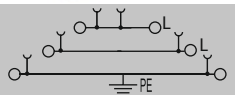
Type	Qty.	Order No.
A3T 2.5 VL	25	**2428540000**
A3T 2.5 VL BL	25	**2428850000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 3T 2.5		20	**2428560000**
AEP 3T 2.5 BL		20	**2428860000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

A3T 2.5 FT-FT-PE — 2.5 mm²



5.1 x 116 x 64.5
24 / 2.5
0.14...2.5



DIN EN 60947-7-1, DIN EN 60947-7-2 — Ex eb II C Gb — II 2 G D

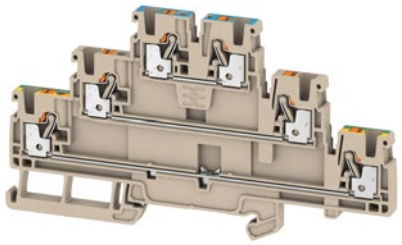
IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm²
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

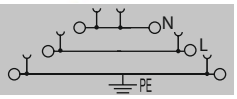
Type	Qty.	Order No.
A3T 2.5 FT-FT-PE	50	**2428530000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 3T 2.5		20	**2428560000**
AEP 3T 2.5 BL		20	**2428860000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

A3T 2.5 N-FT-PE — 2.5 mm²



Width/Height/Depth	5.1 x 116 x 64.5 mm
max. current / max. cond. cross-section	24 / 2.5 A/mm²
Max. clamping range	0.14...2.5 mm²



DIN EN 60947-7-1, DIN EN 60947-7-2 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	300	300	550 V
Rated current	24	20	20	19 A
for wire cross-section	2.5	AWG 28...12	AWG 28...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				TUEV16ATEX7909U

Clamped conductors (H05V/H07V)	
Solid / Stranded	0.5...2.5 / 0.5...2.5 mm²
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...2.5 mm²
Stripping length / Blade size	10 / 0.6 x 3.5 mm mm/-

Rated connection

Note

Ordering data

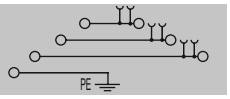
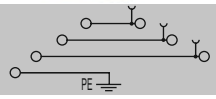
Version	Type	Qty.	Order No.
dark beige	A3T 2.5 N-FT-PE	50	2428840000
Blue			

Note

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
2-pole				
10-pole				
End plate				
dark beige	AEP 3T 2.5		20	2428560000
blue	AEP 3T 2.5 BL		20	2428860000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000
3-pole	ATPG 2.5/3	0.2 A	25	2041190000
5-pole	ATPG 2.5/5	0.2 A	25	2041180000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000
	SNAPMARK I		50	1805880000

For detailed information on other accessories and application in the online catalogue

	AMC 2.5	AMC 2.5 800 V
	2.5 mm²	2.5 mm²
		
Width/Height/Depth mm	5.1 x 107.5 x 88	6.1 x 107.5 x 88
max. current / max. cond. cross-section A/mm²	22 / 2.5	22 / 2.5
Max. clamping range mm²	0.14...2.5	0.14...2.5
		
	DIN EN 60947-7-1, DIN EN 60947-7-2 Ex eb II C Gb II 2 G D	DIN EN 60947-7-1, DIN EN 60947-7-2 Ex eb II C Gb II 2 G D

Technical data

	IEC	UL	CSA	EN 60079-7
Rated data				
Rated voltage V	690	150	150	440
Rated current A	22	20	20	19
for wire cross-section mm²	2.5	AWG 28...12	AWG 28...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				TUEV16ATEX7909U
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

	IEC	UL	CSA	EN 60079-7
Rated data				
Rated voltage V	800	600	600	440
Rated current A	22	20	20	19
for wire cross-section mm²	2.5	AWG 28...12	AWG 28...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				TUEV16ATEX7909U
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
dark beige	AMC 2.5	50	2434340000
Note			

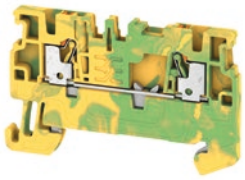
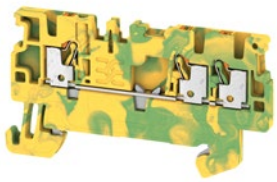
Type	Qty.	Order No.
AMC 2.5 800V	50	2434370000

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
Vertical jumpers				
1-pole	ZVQ 2.5/1.5	24 A	50	1720700000
End plate				
dark beige	AEP MC 2.5		25	2433820000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000
	SNAPMARK I		50	1805880000

Type		Qty.	Order No.
ZVQ 2.5/1.5	24 A	50	1720700000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

For detailed information on other accessories and application in the online catalogue

	A2C 1.5 PE	1.5 mm²	A3C 1.5 PE	1.5 mm²
				
Width/Height/Depth mm	3.5 x 55 x 33.5		3.5 x 61.5 x 33.5	
max. current / max. cond. cross-section -/mm²	/ 1.5		/ 1.5	
Max. clamping range mm²	0.14...1.5		0.14...1.5	

Technical data

	A2C 1.5 PE				A3C 1.5 PE			
Rated data								
for wire cross-section mm²	IEC 60947-7-2	UL	CSA	EN 60079-7	IEC 60947-7-2	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	1.5	AWG 26...14	AWG 26...14	1.5 mm²	1.5	AWG 26...14	AWG 26...14	1.5 mm²
Rated impulse withstand voltage to adjacent terminal -	500				500			
Rated short-time current								
Pollution severity	180 A (1.5 mm²)				180 A (1.5 mm²)			
Gauge to IEC 60947-1 / UL 94 flammability rating	3				3			
Approvals	A1 / V-0				A1 / V-0			
	Ex eb II C Gb II 2 G D				Ex eb II C Gb II 2 G D			
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	**Rated connection**				**Rated connection**			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Stripping length / Blade size mm/-	0.5...1.5 / 0.5...1				0.5...1.5 / 0.5...1			
	8 / 0.4 x 2.0 mm				8 / 0.4 x 2.0 mm			
Note								

Ordering data

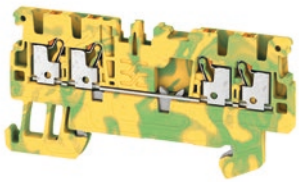
Version	A2C 1.5 PE			A3C 1.5 PE		
	Type	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
Green/yellow	A2C 1.5 PE	50	**1552680000**	A3C 1.5 PE	50	**1552670000**
Note						

Accessories

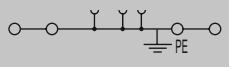
	A2C 1.5 PE				A3C 1.5 PE			
End plate	**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
dark beige	AEP 2C 1.5		50	**1552600000**	AEP 3C 1.5		50	**1552620000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
stackable	ATPG 1.5 MI-R	0.2 A	50	**1991880000**	ATPG 1.5 MI-R	0.2 A	50	**1991880000**
3-pole								
5-pole								
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDS 0.4X2.0X60		1	**2749260000**	SDS 0.4X2.0X60		1	**2749260000**
Marking tags								
	WS 10/3.5 PLUS MC NE WS		960	**2003760000**	WS 10/3.5 PLUS MC NE WS		960	**2003760000**
	DEK 5/3.5 MM WS		1000	**2007100000**	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**	WS 8/3.5 MM WS		1000	**2007140000**
	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

For detailed information on other accessories and application in the online catalogue

A4C 1.5 PE — 1.5 mm²



3.5 x 67.5 x 33.5
/ 1.5
0.14...1.5



IEC 60947-7-2 Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm²
500			

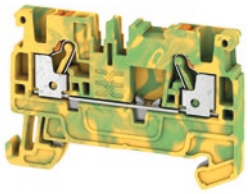
180 A (1.5 mm²)
3
A1 / V-0

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

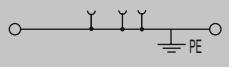
Type	Qty.	Order No.
A4C 1.5 PE	50	1552660000

Type		Qty.	Order No.
AEP 4C 1.5		50	1552640000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MI-R	0.2 A	50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

A2C 2.5 PE — 2.5 mm²



5.1 x 55 x 36.5
/ 2.5
0.14...2.5



IEC 60947-7-2 Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm²
800			

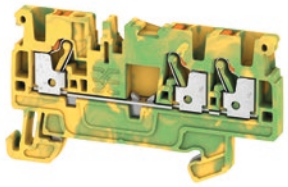
300 A (2.5 mm²)
3
A3 / V-0

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

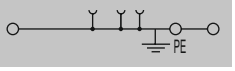
Type	Qty.	Order No.
A2C 2.5 PE	50	1521680000

Type		Qty.	Order No.
AEP 2C 2.5		50	1514400000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

A3C 2.5 PE — 2.5 mm²



5.1 x 66.5 x 36.5
/ 2.5
0.14...2.5



IEC 60947-7-2 Ex eb II C GbII 2 G D

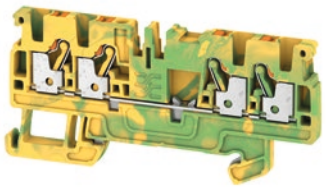
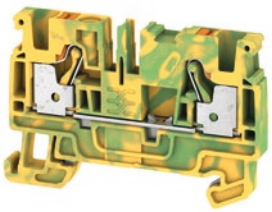
IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm²
800			

300 A (2.5 mm²)
3
A3 / V-0

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A3C 2.5 PE	50	1521670000

Type		Qty.	Order No.
AEP 3C 2.5		50	1521510000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

	A4C 2.5 PE	2.5 mm²	A2C 4 PE	4 mm²
				
Width/Height/Depth mm	5.1 x 77.5 x 36.5		6.1 x 60 x 39.5	
max. current / max. cond. cross-section -/mm²	/ 2.5		/ 4	
Max. clamping range mm²	0.14...2.5		0.14...4	

Technical data

	A4C 2.5 PE	A2C 4 PE
Rated data		
for wire cross-section mm²	IEC 2.5 / UL AWG 28...12 / CSA AWG 28...12 / EN 60079-7 2.5 mm²	IEC 4 / UL AWG 28...10 / CSA AWG 26...10 / EN 60079-7 4 mm²
Rated voltage to adjoining terminal V	800	800
Rated impulse withstand voltage to adjacent terminal -		
Rated short-time current	300 A (2.5 mm²)	480 A (4 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A4 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...4 / 0.5...4
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	12 / 0.6 x 3.5 mm
Note		

IEC 60947-7-2 — Ex eb II C Gbll 2 G D

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	A4C 2.5 PE	50	1521540000
Note			

Version	Type	Qty.	Order No.
Green/yellow	A2C 4 PE	50	2051360000
Note			

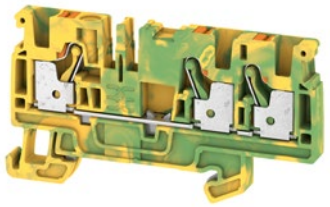
Accessories

	Type		Qty.	Order No.
End plate				
dark beige	AEP 4C 2.5		50	1521530000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000
3-pole	ATPG 2.5/3	0.2 A	25	2041190000
5-pole	ATPG 2.5/5	0.2 A	25	2041180000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000

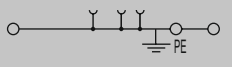
	Type		Qty.	Order No.
	AEP 2C 4		50	2051680000
	AEB 35 SC/1		50	1991920000
	AEB 35 SCL/1 V0		20	2661280000
	ATPG 1.5-10 L	0.2 A	50	1991890000
	ATPG 4 MI-R	0.2 A	50	1991860000
	PS 2.0 MC		20	0310000000
	SDIL 0,6X3,5X100		1	2749140000
	WS 10/6 M PLUS MC NE WS		600	2003780000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000
	DEK 5/6 PLUS MC NE WS		1000	1011320000

For detailed information on other accessories and application in the online catalogue

A3C 4 PE — 4 mm²



6.1 x 74 x 39.5
/ 4
0.14...4



IEC 60947-7-2 Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 28...10	AWG 26...10	4 mm²
800			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

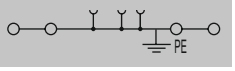
Type	Qty.	Order No.
A3C 4 PE	50	2051410000

Type		Qty.	Order No.
AEP 3C 4		20	2051720000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

A4C 4 PE — 4 mm²



6.1 x 87.5 x 39.5
/ 4
0.14...4



IEC 60947-7-2 Ex eb II C GbII 2 G D

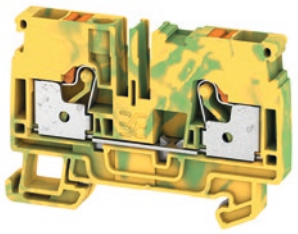
IEC	UL	CSA	EN 60079-7
4	AWG 28...10	AWG 26...10	4 mm²
800			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

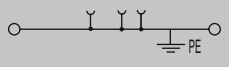
Type	Qty.	Order No.
A4C 4 PE	50	2051560000

Type		Qty.	Order No.
AEP 4C 4		20	2051900000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 4 MI-R	0.2 A	50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

A2C 6 PE — 6 mm²



8.1 x 66.5 x 45.5
/ 6
0.34...6



IEC 60947-7-2 Ex eb II C GbII 2 G D

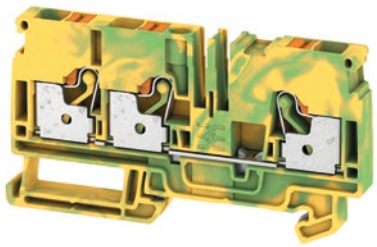
IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	6 mm²
800			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 6 PE	50	1991810000

Type		Qty.	Order No.
AEP 2C 6		50	1991970000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 6 MI-R	0.2 A	50	1991930000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
DEK-A 5/8 MM WS		500	2448860000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS-A 8/8 MM WS		500	2448930000
WS 10/8 PLUS MC NE WS		420	1905950000

	A3C 6 PE	A2C 10 PE
	6 mm²	10 mm²
Width/Height/Depth mm	8.1 x 84.5 x 45.5	10 x 80.5 x 51.5
max. current / max. cond. cross-section -/mm²	/ 6	/ 10
Max. clamping range mm²	0.34...6	0.5...10





Technical data

	A3C 6 PE	A2C 10 PE
IEC 60947-7-2	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
IEC	6	10
UL	AWG 22...8	AWG 20...6
CSA	AWG 22...8	AWG 20...6
EN 60079-7	6 mm²	10 mm²
	800	1000
	720 A (6 mm²)	1200 A (10 mm²)
	3	3
	A5 / V-0	A6 / V-0
Rated connection		
	0.5...6 / 0.5...6	0.5...10 / 0.5...10
	0.5...6 / 0.5...6	0.5...10 / 0.5...10
	12 / 1.0 x 5.5 mm	18 / 0.6 x 3.5 mm

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	A3C 6 PE	50	1991850000
	A2C 10 PE	25	2490440000

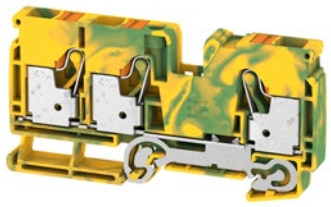
Accessories

	Type	Qty.	Order No.
End plate			
dark beige	AEP 3C 6	50	1991940000
End bracket			
dark beige, screwable	AEB 35 SC/1	50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0	20	2661280000
Test adapter			
1-pole	ATPG 1.5-10 L 0.2 A	50	1991890000
stackable	ATPG 6 MI-R 0.2 A	50	1991930000
3-pole			
5-pole			
Test plug			
	PS 2.0 MC	20	0310000000
Screwdriver			
Standard	SDIL 1,0X5,5X125	1	2749160000
Marking tags			
	DEK-A 5/8 MM WS	500	2448860000
	DEK 5/8 PLUS MC NE WS	800	1046350000
	WS-A 8/8 MM WS	500	2448930000
	WS 10/8 PLUS MC NE WS	420	1905950000

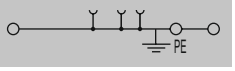
	Type	Qty.	Order No.
	AEP 2C 10/16	20	2490380000
	AEB 35 SC/1	50	1991920000
	AEB 35 SCL/1 V0	20	2661280000
	PS 2.0 MC	20	0310000000
	SDIL 1,0X5,5X125	1	2749160000
	WS 7.8/9.2 PLUS MC NE GR	360	1208970000

For detailed information on other accessories and application in the online catalogue

A3C 10 PE — 10 mm²



10 x 102 x 51.5
/ 10
0.5...10



IEC 60947-7-2 Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 20...6	AWG 20...6	10 mm²
1000			

1200 A (10 mm²)
3
A6 / V-0

Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

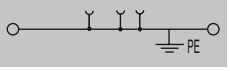
Type	Qty.	Order No.
A3C 10 PE	25	**2490590000**

Type	Qty.	Order No.
AEP 3C 10/16	20	**2490530000**
AEB 35 SC/1	50	**1991920000**
AEB 35 SCL/1 V0	20	**2661280000**
PS 2.0 MC	20	**0310000000**
SDIL 1,0X5,5X125	1	**2749160000**
WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**

A2C 16 PE — 16 mm²



12 x 80.5 x 51.5
/ 16
0.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 18...6	AWG 18...6	16 mm²
1000			

1920 A (16 mm²)
3
A6 / V-0

Rated connection
0.5...16 / 0.5...16
0.5...16 / 0.5...16
18 / 1.0 x 5.5 mm

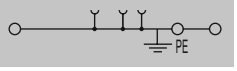
Type	Qty.	Order No.
A2C 16 PE	20	**2494010000**

Type	Qty.	Order No.
AEP 2C 10/16	20	**2490380000**
AEB 35 SC/1	50	**1991920000**
AEB 35 SCL/1 V0	20	**2661280000**
PS 2.0 MC	20	**0310000000**
SDIL 1,0X5,5X125	1	**2749160000**
WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**

A3C 16 PE — 16 mm²



12 x 102 x 51.5
/ 16
0.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 18...6	AWG 18...6	16 mm²
1000			

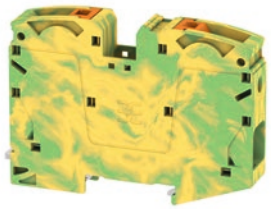
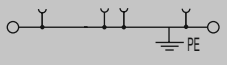
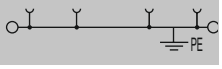
1920 A (16 mm²)
3
A6 / V-0

Rated connection
0.5...16 / 0.5...16
0.5...16 / 0.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A3C 16 PE	20	**2494020000**

Type	Qty.	Order No.
AEP 3C 10/16	20	**2490530000**
AEB 35 SC/1	50	**1991920000**
AEB 35 SCL/1 V0	20	**2661280000**
PS 2.0 MC	20	**0310000000**
SDIL 1,0X5,5X125	1	**2749160000**
WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**

Spring connection with PUSH IN technology (A-Series)
PE terminal blocks

	A2C 35 PE	35 mm²	A2C 50/70 PE	50 mm²
				
Width/Height/Depth mm	16 x 101 x 71.5		20 x 101.5 x 80.5	
max. current / max. cond. cross-section -/mm²	/ 35		/ 70	
Max. clamping range mm²	2.5...35		10...70	

Technical data

Rated data	IEC 60947-7-2			
	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	35	AWG 12...2		35 mm²
Rated voltage to adjoining terminal V	1000			
Rated impulse withstand voltage to adjacent terminal -				
Rated short-time current	4200 A (35 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	/ V-0			
Approvals				
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	2.5...16 / 10...35			
Flexible / Flexible with ferrule mm²	10...35 / 2.5...35			
Stripping length / Blade size mm/-	25 / 1.0 x 5.5 mm			

Rated data	IEC 60947-7-2			
	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	50	AWG 8...0		
Rated voltage to adjoining terminal V	1000			
Rated impulse withstand voltage to adjacent terminal -				
Rated short-time current	6000 A (50 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	/ V-0			
Approvals				
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	10...70 / 10...70			
Flexible / Flexible with ferrule mm²	10...70 / 10...50			
Stripping length / Blade size mm/-	30 / 1.0 x 5.5 mm			

Note	
	For 50 – 185 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	A2C 35 PE	10	2551520000

Version	Type	Qty.	Order No.
Green/yellow	A2C 50/70 PE	5	2663280000

Accessories

Additional tap	Type		Qty.	Order No.
dark beige				
blue				
black/yellow				
green/yellow	AAC 35 2X6 GN-YL		5	2583180000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable				
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard				
Warning labels				
Marking tags				
	WS-A 8/16 MM WS		200	2619910000
End plate				
dark beige				

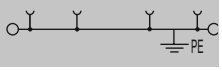
Additional tap	Type		Qty.	Order No.
	AAC 50-185 2X10	57 A	5	2663420000
	AAC 50-185 2X10 BL	57 A	5	2663430000
	AAC 50-185 2X10 BK-YL	57 A	5	2663450000
	AAC 50-185 2X10 GN-YL		5	2663440000
End bracket				
	AEB 35 SC/1		50	1991920000
	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
	ATPG 1.5-10 L	0.2 A	50	1991890000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
	SDS 1.0X5.5X150		1	2749380000
Warning labels				
	AAM 35-185 YE FLASH		40	2635600000
Marking tags				
	WS-A 8/16 MM WS		200	2619910000
End plate				

For detailed information on other accessories and application in the online catalogue

A2C 95/120 PE — 95 mm²



25 x 101.5 x 90
/ 120
25...120



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
95			
1000			

14400 A (120 mm²)
3
/ V-0

CE

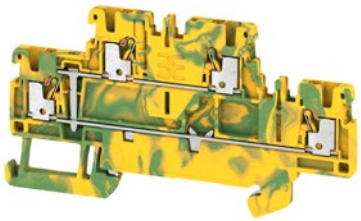
Rated connection
25...120 / 25...120
25...120 / 25...95
30 / 1.0 x 5.5 mm

For 50 – 185 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

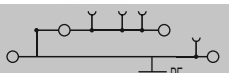
Type	Qty.	Order No.
A2C 95/120 PE	10	**2694090000**

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

A2T 1.5 PE — 1.5 mm²



3.5 x 84 x 45
/ 1.5
0.14...1.5



IEC 60947-7-2 Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm²
500			

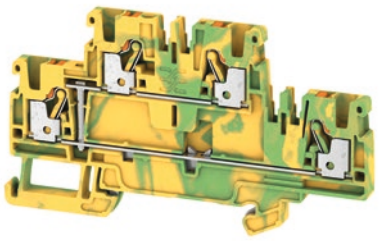
180 A (1.5 mm²)
3
A1 / V-0

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

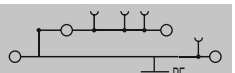
Type	Qty.	Order No.
A2T 1.5 PE	50	**2469410000**

Type		Qty.	Order No.
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 1.5 MI-R	0.2 A	50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDIS 0.4X2.0X60		1	**2749780000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
AEP 2T 1.5		20	**2469420000**

A2T 2.5 PE — 2.5 mm²



5.1 x 90 x 50.5
/ 2.5
0.14...2.5



IEC 60947-7-2 Ex eb II C GbII 2 G D

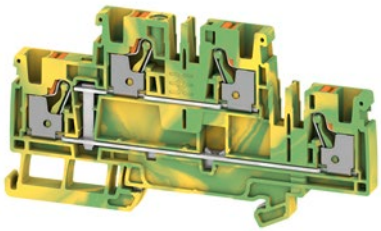
IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm²
800			

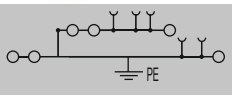
300 A (2.5 mm²)
3
A3 / V-0

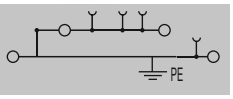
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2T 2.5 PE	50	**1547680000**

Type		Qty.	Order No.
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
AEP 2T 2.5		20	**1547690000**

		A2T 2.5 3C PE	2.5 mm²	A2T 4 PE	4 mm²
					
Width/Height/Depth	mm	5.1 x 114.2 x 64		6.1 x 100 x 53.5	
max. current / max. cond. cross-section	-/mm²	/ 2.5		/ 4	
Max. clamping range	mm²	0.14...2.5		0.14...4	





Technical data

		A2T 2.5 3C PE				A2T 4 PE			
Rated data		IEC 60947-7-2				IEC 60947-7-2			
		IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	mm²	2.5	AWG 28...12		2.5 mm²	4	AWG 26...10		4 mm²
Rated voltage to adjoining terminal	V	800				800			
Rated impulse withstand voltage to adjacent terminal	-					8			
Rated short-time current		300 A (2.5 mm²)				480 A (4 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0				A4 / V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5				0.5...4 / 0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...4 / 0.5...4			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				12 / 0.6 x 3.5 mm			
Note									

Ordering data

		A2T 2.5 3C PE			A2T 4 PE		
Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	Green/yellow	A2T 2.5 3C PE	50	**2531320000**	A2T 4 PE	50	**2539990000**
Note							

Accessories

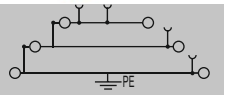
		A2T 2.5 3C PE				A2T 4 PE			
Additional tap		**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
	dark beige								
	blue								
	black/yellow								
	green/yellow								
End bracket									
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter									
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 4 MI-R	0.2 A	50	**1991860000**
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Warning labels									
Marking tags									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	WS 10/6 M PLUS MC NE WS		600	**2003780000**
		DEK 5/5 MM WS		800	**2007110000**	DEK 5/6 MM WS		600	**2007120000**
		WS 8/5 MM WS		800	**2007150000**	WS 8/6 MM WS		600	**2007160000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**	DEK 5/6 PLUS MC NE WS		1000	**1011320000**
End plate									
	dark beige	AEP 2T 2.5 3C		20	**2532690000**	AEP 2T 4		20	**2540000000**

For detailed information on other accessories and application in the online catalogue

A3T 2.5 PE — 2.5 mm²



5.1 x 116 x 64.5
/ 2.5
0.14...2.5



DIN EN 60947-7-2 Ex eb II C GbII 2 G D

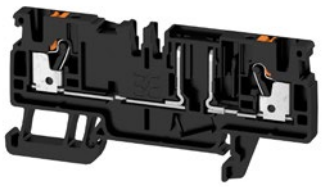
IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm²
800			
	300 A (2.5 mm²)		
	3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

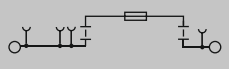
Type	Qty.	Order No.
A3T 2.5 PE	50	**2428550000**

Type		Qty.	Order No.
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
AEP 3T 2.5		20	**2428560000**

AFS 2.5 CF 2C — 2.5 mm²



Width/Height/Depth	5.1 x 77.5 x 37.65 mm
max. current / max. cond. cross-section	10 / 2.5 A/mm²
Max. clamping range	0.14...2.5 mm²



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	

In accordance with IEC 60947-7-3

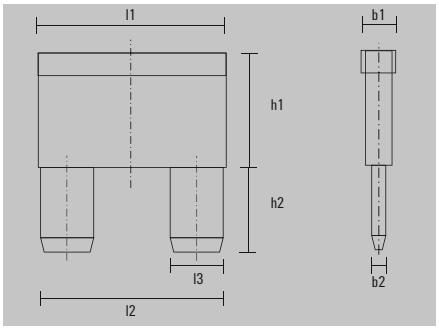
IEC	UL	CSA	EN 60079-7
500	300 (C)		
10	16		
2.5	AWG 28...12		
		/ 3	
		A3 /	

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

The electrical data are determined by the fuse and fault indication.

Dimensions for blade-type fuse inserts according to DIN 72581-3:2001-03



b1 max.	b2 ± 0.4	h1 max.	h2 ± 0.2	l1 max.	l2 ± 0.3	l3 ± 0.2
4	0.82	9	7.5	12	10.9	2.8

Ordering data

Version	Type	Qty.	Order No.
400 V DC	AFS 2.5 CF 2C BK	50	2466530000
12 V DC	AFS 2.5 CF 2C 12V BK	50	2466610000
24 V DC	AFS 2.5 CF 2C 24V BK	50	2466600000

Note

Blade-fuse inserts: from 42 V observe protection against contact.

Accessories

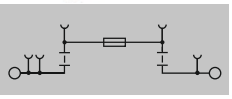
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
Black	AEP 4C 2.5 BK		50	2486660000
Test plug				
	PS 2.0 MC		20	0310000000
Terminal blocks identical in contour				
	A3C 2.5	24 A	100	1521740000
	A3C 2.5 PE		50	1521670000
	ADT 2.5 2C	20 A	50	1989800000
	A2C 2.5 /DT/FS	24 A	100	1989900000
	A2C 2.5 PE /DT/FS		50	1989890000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	WS 10/5 M PLUS MC NE WS		600	2003770000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

AFS 4 2C — 4 mm²



Width/Height/Depth	6.1 x 74 x 68 mm
max. current / max. cond. cross-section	**6.3 / 4** A/mm²
Max. clamping range	**0.14...4** mm²



DIN EN 60947-7-3

Ex ec II C Gc

II 3 G D

IEC	UL	CSA	EN 60079-7
500	150 (C)	150 (C)	
6.3	10	10	6.3
4	AWG 26...10	AWG 26...10	4 mm²
	4 kV / 3		
	A4 / V-0		
			TUEV17ATEX8064U

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	41 °C	4,0 W / 6,3 A	31 °C	1,6 W / 6,3 A
In combination	32 °C	2,5 W / 6,3 A	34 °C	1,6 W / 6,3 A

Technical data

Rated data		Rated connection
Rated voltage to adjoining terminal	V	0.5...4 / 0.5...4
Rated current	A	0.5...4 / 0.5...4
for wire cross-section	mm²	12 / 0.6 x 3.5 mm
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Stripping length / Blade size		
Note		

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	AFS 4 2C BK	50	**2429860000**
10–36 V AC/DC, with LED	AFS 4 2C 10-36V BK	50	**2429870000**
30–70 V AC/DC, with LED	AFS 4 2C 30-70V BK	50	**2434350000**
60–150 V AC/DC, with LED	AFS 4 2C 60-150V BK	50	**2434380000**
100 – 250 V AC/DC, with LED	AFS 4 2C 100-250V BK	50	**2434390000**
Note			

Accessories

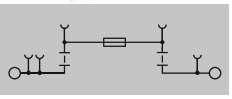
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**
End plate				
Black	AEP 3C 4 BK		20	**2486640000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Terminal blocks identical in contour				
	A3C 4	32 A	50	**2051240000**
	A3C 4 PE		50	**2051410000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags				
	DEK 5/6 PLUS MC NE WS		1000	**1011320000**
	WS 10/6 M PLUS MC NE WS		600	**2003780000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**

For detailed information on other accessories and application in the online catalogue

AFS 4 2C BK/BL — 4 mm²



Width/Height/Depth	6.1 x 74 x 68
max. current / max. cond. cross-section	**6.3 / 4**
Max. clamping range	**0.14...4**



Technical data

Rated data		DIN EN 60947-7-3			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	500	150 (C)	150 (C)	
Rated current	A	6.3	10	10	6.3
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity			4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0		
Approvals					TUEV17ATEX8064U
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4			
Stripping length / Blade size		12 / 0.6 x 3.5 mm			

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	41 °C	4,0 W / 6,3 A	31 °C	1,6 W / 6,3 A
In combination	32 °C	2,5 W / 6,3 A	34 °C	1,6 W / 6,3 A

Note

Ordering data

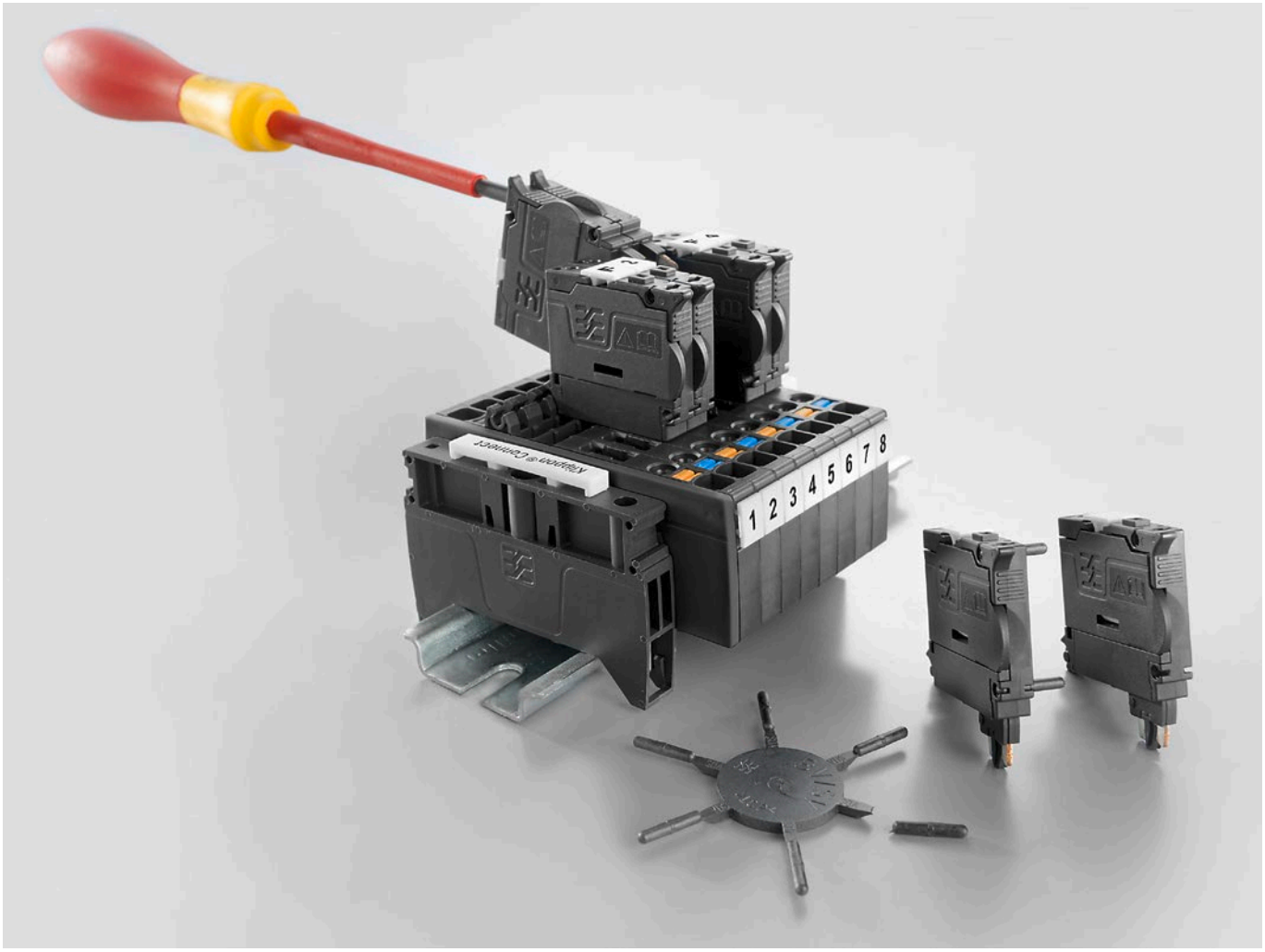
Version	Type	Qty.	Order No.
500 V AC/DC, without LED	AFS 4 2C BK/BL	50	**2548140000**
10–36 V AC/DC, with LED	AFS 4 2C 10-36V BL/BL	50	**2680570000**
100 – 250 V AC/DC, with LED	AFS 4 2C 100-250V BL/BL	50	**2680590000**

Note

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**
End plate				
Black	AEP 3C 4 BK		20	**2486640000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Terminal blocks identical in contour				
	A3C 4	32 A	50	**2051240000**
	A3C 4 PE		50	**2051410000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags				
	DEK 5/6 PLUS MC NE WS		1000	**1011320000**
	WS 10/6 M PLUS MC NE WS		600	**2003780000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**

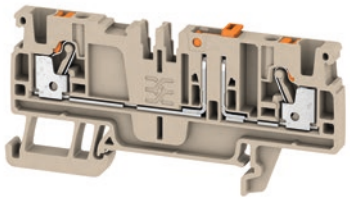
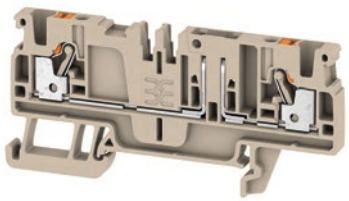
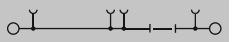
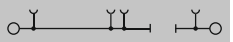
For detailed information on other accessories and application in the online catalogue



VDS180 SV7.62



Type	Qty.	Order No.
VDS180 SV7.62	50	1853940000

	ADT 2.5 2C	2.5 mm²	ADT 2.5 2C W/O DTLV	2.5 mm²
				
Width/Height/Depth mm	5.1 x 77.5 x 37.65		5.1 x 77.5 x 36.5	
max. current / max. cond. cross-section A/mm²	**20 / 2.5**		**20 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data						
Rated voltage of feed-through terminal	V	IEC 60947-7-1				
Rated current	A	IEC	UL	CSA	EN 60079-7	
for wire cross-section	mm²	500	300	300		
Rated impulse withstand voltage / Pollution severity		20	20	20		
Gauge to IEC 60947-1 / UL 94 flammability rating		2.5	AWG 28...12	AWG 28...12		
Number of operating cycles			6 kV / 3			
Approvals			A3 / V-0			
Clamped conductors (H05V/H07V)						
Solid / Stranded	mm²	**Rated connection**				
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				
Stripping length / Blade size	mm/-	0.5...2.5 / 0.5...2.5				
		10 / 0.6 x 3.5 mm				
Note						

	ADT 2.5 2C W/O DTLV	2.5 mm²
	IEC 60947-7-1	
	IEC	UL	CSA	EN 60079-7
	500	300	300	
	20	20	20	
	2.5	AWG 28...12	AWG 28...12	
	6 kV / 3			
	A3 / V-0			
	Rated connection			
	0.5...2.5 / 0.5...2.5			
	0.5...2.5 / 0.5...2.5			
	10 / 0.6 x 3.5 mm			

Ordering data

Version		Type	Qty.	Order No.
	dark beige	ADT 2.5 2C	50	**1989800000**
	Blue	ADT 2.5 2C BL	50	**1989810000**
	without isolator			
Note				

Type	Qty.	Order No.
ADT 2.5 2C W/O DTLV	50	**1989930000**

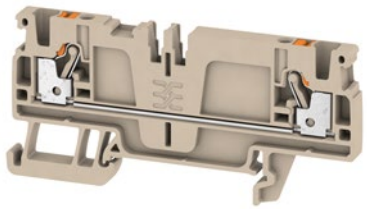
Accessories

Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
	2-pole				
	10-pole				
End plate					
	dark beige	AEP 4C 2.5		50	**1521530000**
	Blue	AEP 4C 2.5 BL		50	**1521640000**
End bracket					
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter					
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
	3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**
	5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug					
		PS 2.0 MC		20	**0310000000**
Screwdriver					
	Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags					
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**
		DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**

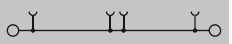
Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
	2-pole				
	10-pole				
End plate					
	dark beige	AEP 4C 2.5		50	**1521530000**
	Blue	AEP 4C 2.5 BL		50	**1521640000**
End bracket					
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter					
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
	3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**
	5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug					
		PS 2.0 MC		20	**0310000000**
Screwdriver					
	Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags					
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**
		DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**

For detailed information on other accessories and application in the online catalogue

A2C 2.5 /DT/FS — 2.5 mm²



5.1 x 77.5 x 36.5
24 / 2.5
0.14...2.5



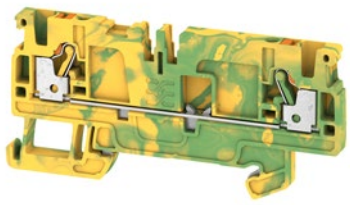
IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

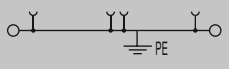
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
A2C 2.5 /DT/FS		100	1989900000
A2C 2.5 /DT/FS BL		100	1989910000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

A2C 2.5 PE /DT/FS — 2.5 mm²



5.1 x 77.5 x 36.5
/ 2.5
0.14...2.5



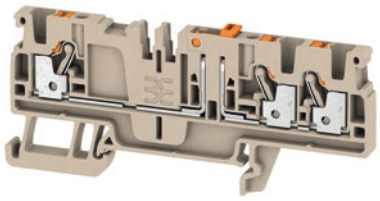
IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

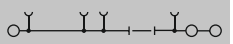
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
A2C 2.5 PE /DT/FS		50	1989890000
AEP 4C 2.5		50	1521530000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

ADT 2.5 3C — 2.5 mm²



5.1 x 84.5 x 37.65
20 / 2.5
0.14...2.5

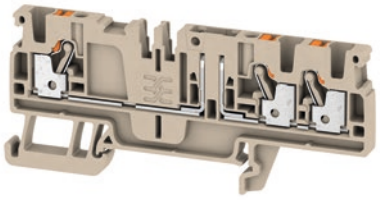
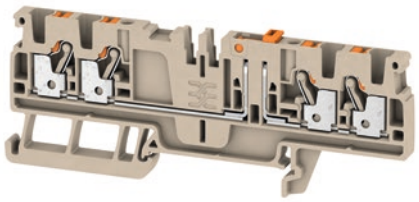
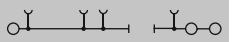
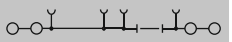


IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
ADT 2.5 3C		50	1989830000
ADT 2.5 3C BL		50	1989840000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP DT 2.5 3C		50	1989970000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

	ADT 2.5 3C W/O DTLV	2.5 mm²	ADT 2.5 4C	2.5 mm²
				
Width/Height/Depth mm	5.1 x 84.5 x 36.5		5.1 x 96 x 37.65	
max. current / max. cond. cross-section A/mm²	**20 / 2.5**		**20 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data					IEC 60947-7-1				IEC 60947-7-1			
			IEC	UL	CSA	EN 60079-7		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V		500	300	300			500	300	300	
Rated current	A		20	20	20			20	20	20	
for wire cross-section	mm²		2.5	AWG 28...12	AWG 28...12			2.5	AWG 28...12	AWG 28...12	
Rated impulse withstand voltage / Pollution severity				6 kV / 3					6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0					A3 / V-0		
Number of operating cycles											
Approvals											
Clamped conductors (H05V/H07V)			**Rated connection**					**Rated connection**			
Solid / Stranded	mm²		0.5...2.5 / 0.5...2.5					0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	mm²		0.5...2.5 / 0.5...2.5					0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-		10 / 0.6 x 3.5 mm					10 / 0.6 x 3.5 mm			
Note											

Ordering data

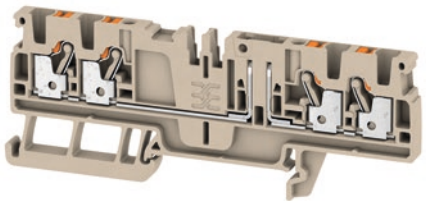
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige				ADT 2.5 4C	50	1989860000
Blue				ADT 2.5 4C BL	50	1989870000
without isolator	ADT 2.5 3C W/O DTLV	50	1989940000			
Note						

Accessories

Plug-in cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000	ZQV 2.5N/10	24 A	20	1527690000
2-pole								
10-pole								
End plate								
dark beige	AEP DT 2.5 3C		50	1989970000	AEP DT 2.5 4C		50	1989980000
Blue								
End bracket								
dark beige, screwable	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000	ATPG 2.5 MI-R	0.2 A	50	1991960000
3-pole	ATPG 2.5/3	0.2 A	25	2041190000	ATPG 2.5/3	0.2 A	25	2041190000
5-pole	ATPG 2.5/5	0.2 A	25	2041180000	ATPG 2.5/5	0.2 A	25	2041180000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	2749140000	SDIL 0,6X3,5X100		1	2749140000
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000	WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue

ADT 2.5 4C W/O DTLV — 2.5 mm²



5.1 x 96 x 36.5
20 / 2.5
0.14...2.5



IEC 60947-7-1

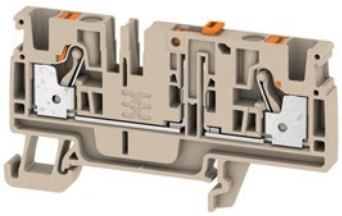
IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

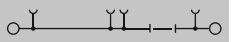
Type	Qty.	Order No.
ADT 2.5 4C W/O DTLV	50	**1989950000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP DT 2.5 4C		50	**1989980000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

ADT 4 2C — 4 mm²



6.1 x 74 x 41
20 / 4
0.14...4



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	600	600	
24	20	20	
4	AWG 26...10	AWG 26...10	
	4 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ADT 4 2C	50	**2429850000**
ADT 4 2C BL	50	**2429880000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 4C 4		20	**2051900000**
AEP 4C 4 BL		20	**2051910000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 4 MI-R	0.2 A	50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

Separate potentials simply and safely in confined spaces
Klippon® Connect test-disconnect terminal blocks

In marshalling cabinets of industrial control systems, signal lines from the field are often connected with terminal blocks. These are known as a robust, simple, and tidy connection option. However, their use requires sufficient current protection and a reliable disconnection circuit.

Our A2T 2.5 DT/DT test-disconnect terminal blocks enable a safe and simple electrical isolation in confined spaces. Two potentials can be operated with only one terminal block, resulting in space-savings of 50%. The multifunctional disconnect section can be converted into a fuse terminal or equipped with a component plug to enable the integration of electronic components.

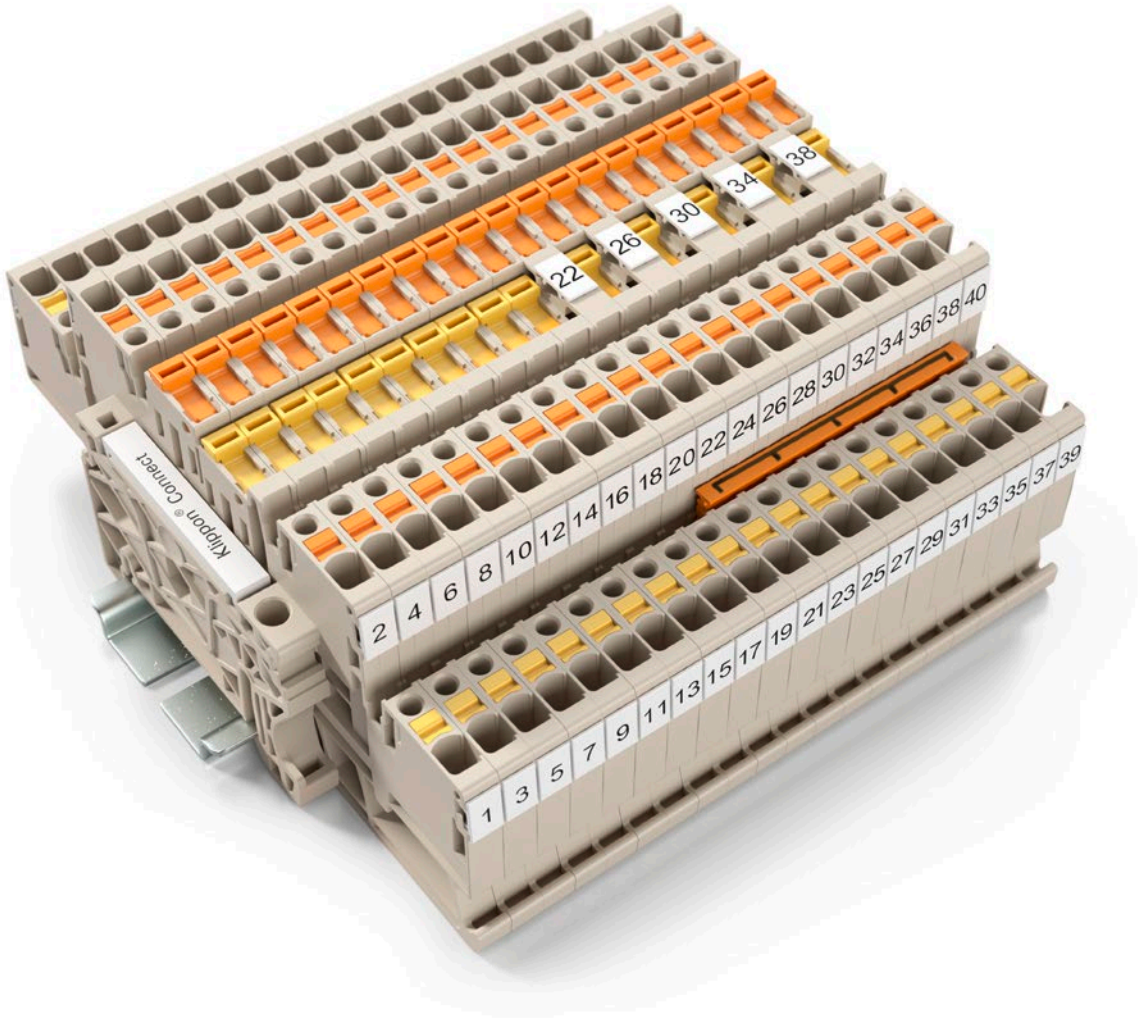
Your special advantages:
- Separation of two different potentials on one terminal block
- Maximum safety due to colour-contrasted disconnect levers
- Multifunctional separation area for individual applications
- Integrated testing point on each connection point

Increased clarity and security
The two potentials are marked in different colours and assigned to the connection areas. This reduces the risk of misconnections and guarantees maximum safety.

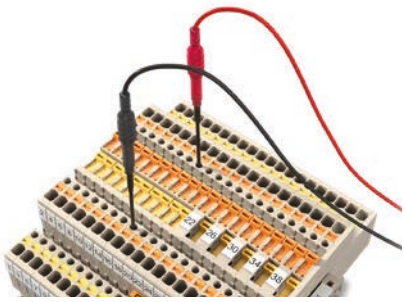


Flexibil potential distribution
Cross-connection possibilities in front of and behind the connection point allow an easy and flexible potential distribution to other terminal blocks. The feed-through function of A2T 2.5 DT/FT is an additional option for the potential distribution.

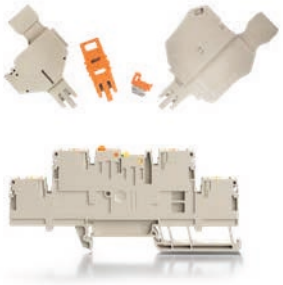


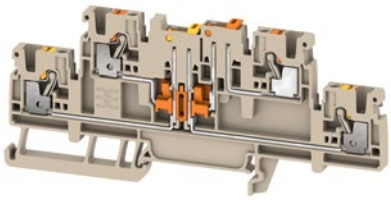
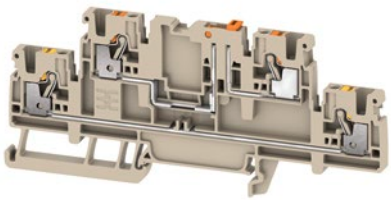
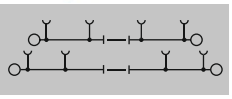
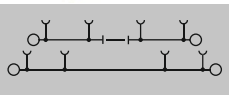


Time-saving in testing and revision
Easily accessible test facilities in front of and behind the connection point allow the system to be tested quickly and safely. A 2.0 standard test adapter can also be mounted on the screw heads in wired condition.



Individual application solutions
The multifunctional disconnection area allows either a fuse holder or a component plug to be accommodated. Depending on the application, it can be used as a fuse terminal or as a terminal block with electronic components.



	A2T 2.5 DT/DT	2.5 mm²	A2T 2.5 DT/FT	2.5 mm²
				
Width/Height/Depth mm	5.1 x 115 x 50.5		5.1 x 115 x 50.5	
max. current / max. cond. cross-section A/mm²	**16 / 2.5**		**16 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

	A2T 2.5 DT/DT	A2T 2.5 DT/FT
Rated data		
Rated voltage of feed-through terminal V	400	400
Rated current A	16	16
for wire cross-section mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	/ 3	/ 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Number of operating cycles		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		

IEC 60947-1

IEC	UL	CSA	EN 60079-7
A2T 2.5 DT/DT			
A2T 2.5 DT/FT			

Ordering data

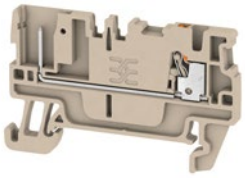
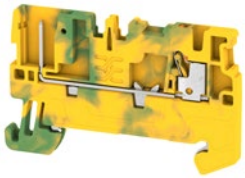
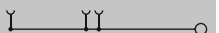
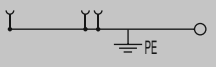
Version	Type	Qty.	Order No.
dark beige	A2T 2.5 DT/DT	50	2744110000
Blue	A2T 2.5 DT/DT BL	50	2744120000
Note			

Version	Type	Qty.	Order No.
dark beige	A2T 2.5 DT/FT	50	2744130000
Blue	A2T 2.5 DT/FT BL	50	2744140000
Note			

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
dark beige	AEP DT 2.5 2T		20	2744150000
blue	AEP DT 2.5 2T BL		20	2744160000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
35 - 70 V AC/DC, red LED	SIHA 3/G20/LD 35-70V		25	7921580000
60 - 150 V AC/DC, red LED	SIHA 3/G20/LD 60-150V		25	7921590000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Disconnect plug				
orange	TNST OR	20 A	50	2463540000
removable, as replacement for release lever	TNST	20 A	50	1833090000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D	1 A	50	1878560000
with wire jumper	BEST/DRBR	22 A	50	1878570000
For detailed information on other accessories and application in the online catalogue				

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
dark beige	AEP DT 2.5 2T		20	2744150000
blue	AEP DT 2.5 2T BL		20	2744160000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
35 - 70 V AC/DC, red LED	SIHA 3/G20/LD 35-70V		25	7921580000
60 - 150 V AC/DC, red LED	SIHA 3/G20/LD 60-150V		25	7921590000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Disconnect plug				
orange	TNST OR	20 A	50	2463540000
removable, as replacement for release lever	TNST	20 A	50	1833090000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D	1 A	50	1878560000
with wire jumper	BEST/DRBR	22 A	50	1878570000
For detailed information on other accessories and application in the online catalogue				

	APGTB 1.5 FT 2C/1	1.5 mm²	APGTB 1.5 PE 2C/1	1.5 mm²
				
Width/Height/Depth mm	3.5 x 55 x 33.5		3.5 x 55 x 33.5	
max. current / max. cond. cross-section A/mm²	**17.5 / 1.5**		**/ 1.5**	
Max. clamping range mm²	**0.14...1.5**		**0.14...1.5**	

Technical data

Rated data		
Rated voltage of feed-through terminal	V	
Rated current	A	
for wire cross-section	mm²	
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Number of operating cycles		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Stripping length / Blade size	mm/-	
Note		

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500	300	300	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Ordering data

Version	Type	Qty.	Order No.
dark beige	APGTB 1.5 FT 2C/1	50	2482160000
Blue	APGTB 1.5 FT 2C/1 BL	50	2482170000
Green/yellow			
Note			

Type	Qty.	Order No.
APGTB 1.5 PE 2C/1	50	2482220000

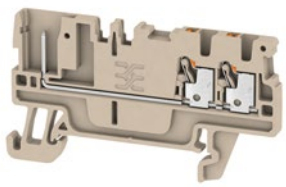
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 1.5N/2	17.5 A	60	1985410000
10-pole	ZQV 1.5N/10	17.5 A	20	1985580000
End plate				
dark beige	AEP 2C 1.5		50	1552600000
Blue	AEP 2C 1.5 BL		50	1552610000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Plug				
	APG 1.5/1	17.5 A	50	2482340000
	APG 1.5/10	17.5 A	20	2482430000
	APG 1.5 MI	17.5 A	50	2482280000
	APG 1.5 L	17.5 A	50	2482250000
	APG 1.5 R	17.5 A	50	2482310000
Screwdriver				
Standard	SDS 0.4X2.0X60		1	2749260000
Marking tags				
	WS 10/3.5 PLUS MC NE WS		960	2003760000
	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000
	DEK 5/3.5 PLUS MC NE WS		1600	2003750000

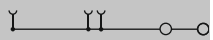
Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2C 1.5		50	1552600000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
APG 1.5/1	17.5 A	50	2482340000
APG 1.5/10	17.5 A	20	2482430000
APG 1.5 MI	17.5 A	50	2482280000
APG 1.5 L	17.5 A	50	2482250000
APG 1.5 R	17.5 A	50	2482310000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

For detailed information on other accessories and application in the online catalogue

APGTB 1.5 FT 3C/1 — 1.5 mm²



3.5 x 62 x 33.5
17.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1

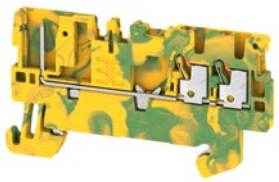
IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

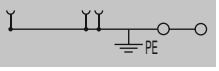
Type	Qty.	Order No.
APGTB 1.5 FT 3C/1	50	2482180000
APGTB 1.5 FT 3C/1 BL	50	2482190000

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 3C 1.5		50	1552620000
AEP 3C 1.5 BL		50	1552630000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
APG 1.5/1	17.5 A	50	2482340000
APG 1.5/10	17.5 A	20	2482430000
APG 1.5 MI	17.5 A	50	2482280000
APG 1.5 L	17.5 A	50	2482250000
APG 1.5 R	17.5 A	50	2482310000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

APGTB 1.5 FT PE 3C/1 — 1.5 mm²



3.5 x 62 x 33.5
/ 1.5
0.14...1.5



In accordance with IEC 60947-7-2

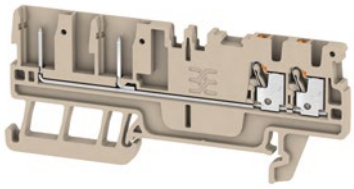
IEC	UL	CSA	EN 60079-7
500	300	300	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

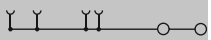
Type	Qty.	Order No.
APGTB 1.5 PE 3C/1	50	2482230000

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 3C 1.5		50	1552620000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
APG 1.5/1	17.5 A	50	2482340000
APG 1.5/10	17.5 A	20	2482430000
APG 1.5 MI	17.5 A	50	2482280000
APG 1.5 L	17.5 A	50	2482250000
APG 1.5 R	17.5 A	50	2482310000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

APGTB 1.5 FT 4C/2 — 1.5 mm²



3.5 x 80 x 33.5
17.5 / 1.5
0.14...1.5



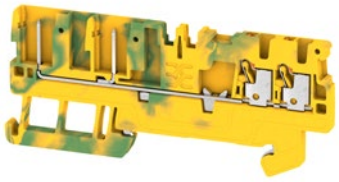
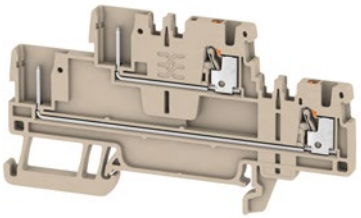
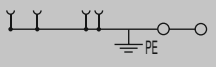
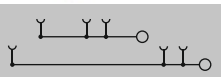
In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
APGTB 1.5 FT 4C/2	50	2482200000
APGTB 1.5 FT 4C/2 BL	50	2482210000

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP PGTB 1.5 4C/2		50	2482510000
AEP PGTB 1.5 4C/2 BL		50	2482520000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
APG 1.5/1	17.5 A	50	2482340000
APG 1.5/10	17.5 A	20	2482430000
APG 1.5 MI	17.5 A	50	2482280000
APG 1.5 L	17.5 A	50	2482250000
APG 1.5 R	17.5 A	50	2482310000
SDS 0.4X2.0X60		1	2749260000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

	APGTB 1.5 PE 4C/2	1.5 mm²	APGTB 1.5 2T 4C/2	1.5 mm²
				
Width/Height/Depth mm	3.5 x 80 x 33.5		3.5 x 84.5 x 45	
max. current / max. cond. cross-section -/mm²	/ 1.5		17.5 / 1.5	
Max. clamping range mm²	0.14...1.5		0.14...1.5	

Technical data

Rated data					In accordance with IEC 60947-7-2				In accordance with IEC 60947-7-1			
					IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V				500	300	300		500	300	300	
Rated current	-								17.5	13	13	
for wire cross-section	mm²				1.5	AWG 26...14	AWG 26...14		1.5	AWG 26...14	AWG 26...14	
Rated impulse withstand voltage / Pollution severity						6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating						A1 / V-0				A1 / V-0		
Number of operating cycles												
Approvals												
Clamped conductors (H05V/H07V)					**Rated connection**				**Rated connection**			
Solid / Stranded	mm²				0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule	mm²				0.5...1.5 / 0.5...1				0.5...1.5 / 0.5...1			
Stripping length / Blade size	mm/-				8 / 0.4 x 2.0 mm				8 / 0.4 x 2.0 mm			
Note												

Ordering data

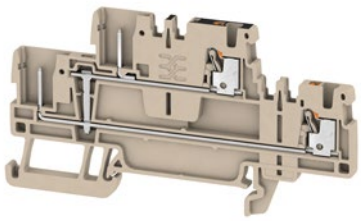
Version	Type		Qty.	Order No.	Type		Qty.	Order No.
dark beige					APGTB 1.5 2T 4C/2		50	2485840000
Blue					APGTB 1.5 2T 4C/2 BL		50	2485850000
Green/yellow	APGTB 1.5 PE 4C/2		50	2482240000				
Note								

Accessories

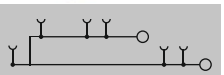
Plug-in cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole	ZQV 1.5N/2	17.5 A	60	1985410000	ZQV 1.5N/2	17.5 A	60	1985410000
10-pole	ZQV 1.5N/10	17.5 A	20	1985580000	ZQV 1.5N/10	17.5 A	20	1985580000
End plate								
dark beige	AEP PGTB 1.5 4C/2		50	2482510000	AEP 2T 1.5		20	2469420000
Blue					AEP 2T 1.5 BL		20	2471470000
End bracket								
dark beige, screwable	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Plug								
	APG 1.5/1	17.5 A	50	2482340000	APG 1.5/1	17.5 A	50	2482340000
	APG 1.5/10	17.5 A	20	2482430000	APG 1.5/10	17.5 A	20	2482430000
	APG 1.5 MI	17.5 A	50	2482280000	APG 1.5 MI	17.5 A	50	2482280000
	APG 1.5 L	17.5 A	50	2482250000	APG 1.5 L	17.5 A	50	2482250000
	APG 1.5 R	17.5 A	50	2482310000	APG 1.5 R	17.5 A	50	2482310000
Screwdriver								
Standard	SDS 0.4X2.0X60		1	2749260000	SDS 0.4X2.0X60		1	2749260000
Marking tags								
	WS 10/3.5 PLUS MC NE WS		960	2003760000	WS 10/3.5 PLUS MC NE WS		960	2003760000
	DEK 5/3.5 MM WS		1000	2007100000	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000	WS 8/3.5 MM WS		1000	2007140000
	DEK 5/3.5 PLUS MC NE WS		1600	2003750000	DEK 5/3.5 PLUS MC NE WS		1600	2003750000

For detailed information on other accessories and application in the online catalogue

APGTB 1.5 2T VL 4C/2 — 1.5 mm²



3.5 x 84.5 x 45
17.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1

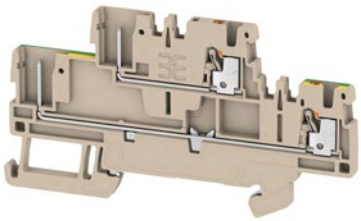
IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

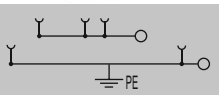
Type	Qty.	Order No.
APGTB 1.5 2T VL 4C/2	50	**2485920000**
APGTB 1.5 2T VL 4C/2 BL	50	**2485930000**

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	**1985410000**
ZQV 1.5N/10	17.5 A	20	**1985580000**
AEP 2T 1.5		20	**2469420000**
AEP 2T 1.5 BL		20	**2471470000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 1.5/1	17.5 A	50	**2482340000**
APG 1.5/10	17.5 A	20	**2482430000**
APG 1.5 MI	17.5 A	50	**2482280000**
APG 1.5 L	17.5 A	50	**2482250000**
APG 1.5 R	17.5 A	50	**2482310000**
SDS 0.4X2.0X60		1	**2749260000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

APGTB 1.5 2T FT PE 4C/2 — 1.5 mm²



3.5 x 84.5 x 45
17.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1

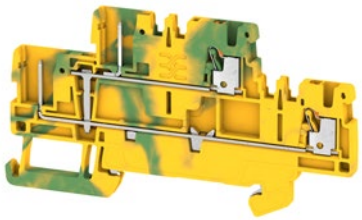
IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

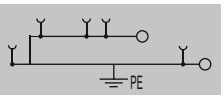
Type	Qty.	Order No.
APGTB 1.5 2T FT-PE 4C/2	50	**2485860000**

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	**1985410000**
ZQV 1.5N/10	17.5 A	20	**1985580000**
AEP 2T 1.5		20	**2469420000**
AEP 2T 1.5 BL		20	**2471470000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 1.5/1	17.5 A	50	**2482340000**
APG 1.5/10	17.5 A	20	**2482430000**
APG 1.5 MI	17.5 A	50	**2482280000**
APG 1.5 L	17.5 A	50	**2482250000**
APG 1.5 R	17.5 A	50	**2482310000**
SDS 0.4X2.0X60		1	**2749260000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

APGTB 1.5 2T PE 4C/2 — 1.5 mm²



3.5 x 84.5 x 45
/ 1.5
0.14...1.5



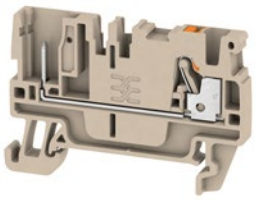
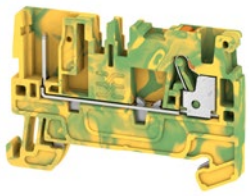
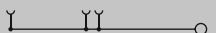
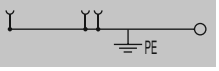
In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500	300	300	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
APGTB 1.5 2T PE 4C/2	50	**2485870000**

Type		Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	**1985410000**
ZQV 1.5N/10	17.5 A	20	**1985580000**
AEP 2T 1.5		20	**2469420000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 1.5/1	17.5 A	50	**2482340000**
APG 1.5/10	17.5 A	20	**2482430000**
APG 1.5 MI	17.5 A	50	**2482280000**
APG 1.5 L	17.5 A	50	**2482250000**
APG 1.5 R	17.5 A	50	**2482310000**
SDS 0.4X2.0X60		1	**2749260000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

	APGTB 2.5 FT 2C/1	2.5 mm²	APGTB 2.5 PE 2C/1	2.5 mm²
				
Width/Height/Depth mm	5.1 x 55 x 36.5		5.1 x 54 x 36.5	
max. current / max. cond. cross-section A/mm²	**24 / 2.5**		**/ 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

	APGTB 2.5 FT 2C/1	APGTB 2.5 PE 2C/1
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-2
Rated voltage of feed-through terminal V	800	800
Rated current A	24	24
for wire cross-section mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Number of operating cycles		
Approvals		

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	

	APGTB 2.5 FT 2C/1	APGTB 2.5 PE 2C/1
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		

Ordering data

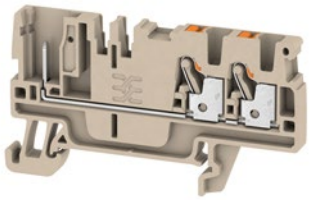
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	APGTB 2.5 FT 2C/1	100	**1513970000**			
Blue	APGTB 2.5 FT 2C/1 BL	100	**1513990000**			
Green/yellow				APGTB 2.5 PE 2C/1	50	**1513870000**
Note						

Accessories

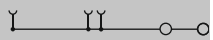
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**	ZQV 2.5N/10	24 A	20	**1527690000**
End plate								
dark beige	AEP 2C 2.5		50	**1514400000**	AEP 2C 2.5		50	**1514400000**
Blue	AEP 2C 2.5 BL		50	**1514420000**				
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Plug								
	APG 2.5/1	24 A	50	**1513720000**	APG 2.5/1	24 A	50	**1513720000**
	APG 2.5/10	24 A	20	**1513770000**	APG 2.5/10	24 A	20	**1513770000**
	APG 2.5 MI	24 A	50	**1513880000**	APG 2.5 MI	24 A	50	**1513880000**
	APG 2.5 L	24 A	50	**1513830000**	APG 2.5 L	24 A	50	**1513830000**
	APG 2.5 R	24 A	50	**1513940000**	APG 2.5 R	24 A	50	**1513940000**
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**

For detailed information on other accessories and application in the online catalogue

APGTB 2.5 FT 3C/1 — 2.5 mm²



5.1 x 66.5 x 36.5
24 / 2.5
0.14...2.5



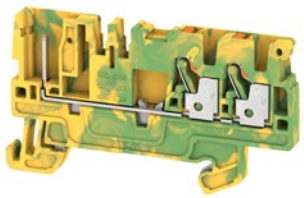
In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

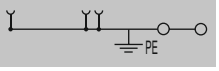
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
APGTB 2.5 FT 3C/1		50	1514000000
APGTB 2.5 FT 3C/1 BL		50	1514020000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3C 2.5		50	1521510000
AEP 3C 2.5 BL		50	1521520000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
APG 2.5/1	24 A	50	1513720000
APG 2.5/10	24 A	20	1513770000
APG 2.5 MI	24 A	50	1513880000
APG 2.5 L	24 A	50	1513830000
APG 2.5 R	24 A	50	1513940000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

APGTB 2.5 PE 3C/1 — 2.5 mm²



5.1 x 66.5 x 36.5
/ 2.5
0.14...2.5



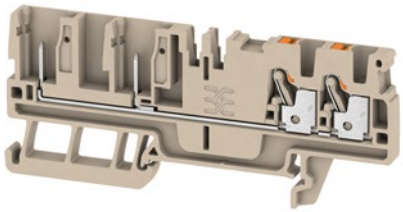
In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

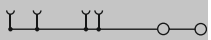
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
APGTB 2.5 PE 3C/1		50	1513890000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3C 2.5		50	1521510000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
APG 2.5/1	24 A	50	1513720000
APG 2.5/10	24 A	20	1513770000
APG 2.5 MI	24 A	50	1513880000
APG 2.5 L	24 A	50	1513830000
APG 2.5 R	24 A	50	1513940000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

APGTB 2.5 FT 4C/2 — 2.5 mm²



5.1 x 87 x 36.5
24 / 2.5
0.14...2.5

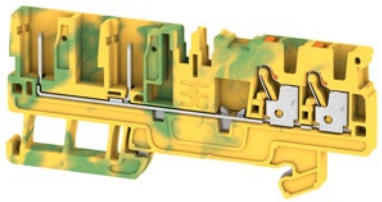
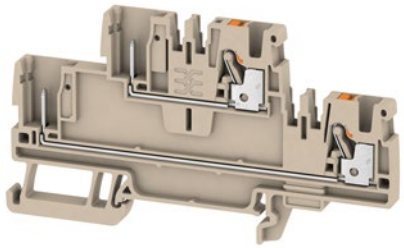
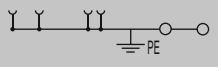


In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
APGTB 2.5 FT 4C/2		50	1514030000
APGTB 2.5 FT 4C/2 BL		50	1514040000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP PGTB 2.5 4C/2		50	1514450000
AEP PGTB 2.5 4C/2 BL		50	1514470000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
APG 2.5/1	24 A	50	1513720000
APG 2.5/10	24 A	20	1513770000
APG 2.5 MI	24 A	50	1513880000
APG 2.5 L	24 A	50	1513830000
APG 2.5 R	24 A	50	1513940000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

	APGTB 2.5 PE 4C/2	2.5 mm²	APGTB 2.5 2T 4C/2	2.5 mm²
				
Width/Height/Depth mm	5.1 x 87 x 36.5		5.1 x 91 x 50.5	
max. current / max. cond. cross-section -/mm²	/ 2.5		24 / 2.5	
Max. clamping range mm²	0.14...2.5		0.14...2.5	

Technical data

Rated data					In accordance with IEC 60947-7-2				In accordance with IEC 60947-7-1			
					IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	-				800	600	600		800	600	600	
Rated current	-								24	20	20	
for wire cross-section	mm²				2.5	AWG 28...12	AWG 28...12		2.5	AWG 28...12	AWG 28...12	
Rated impulse withstand voltage / Pollution severity					8 kV / 3				8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating					A3 / V-0				A3 / V-0			
Number of operating cycles												
Approvals												
Clamped conductors (H05V/H07V)					**Rated connection**				**Rated connection**			
Solid / Stranded	mm²				0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	mm²				0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-				10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note												

Ordering data

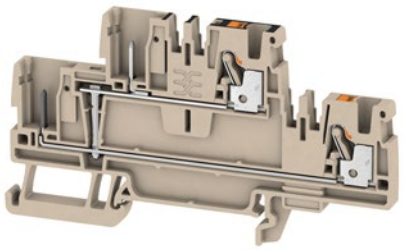
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige				APGTB 2.5 2T 4C/2	50	1548060000
Blue				APGTB 2.5 2T 4C/2 BL	50	1548070000
Green/yellow	APGTB 2.5 PE 4C/2	50	1513920000			
Note						

Accessories

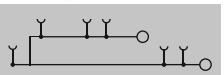
Plug-in cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000	ZQV 2.5N/10	24 A	20	1527690000
End plate								
dark beige	AEP PGTB 2.5 4C/2		50	1514450000	AEP 2T 2.5		20	1547690000
Blue					AEP 2T 2.5 BL		20	1547700000
End bracket								
dark beige, screwable	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Plug								
	APG 2.5/1	24 A	50	1513720000	APG 2.5/1	24 A	50	1513720000
	APG 2.5/10	24 A	20	1513770000	APG 2.5/10	24 A	20	1513770000
	APG 2.5 MI	24 A	50	1513880000	APG 2.5 MI	24 A	50	1513880000
	APG 2.5 L	24 A	50	1513830000	APG 2.5 L	24 A	50	1513830000
	APG 2.5 R	24 A	50	1513940000	APG 2.5 R	24 A	50	1513940000
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	2749140000	SDIL 0,6X3,5X100		1	2749140000
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000
					WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue

APGTB 2.5 2T VL 4C/2 — 2.5 mm²



5.1 x 91 x 50.5
24 / 2.5
0.14...2.5



In accordance with IEC 60947-7-1

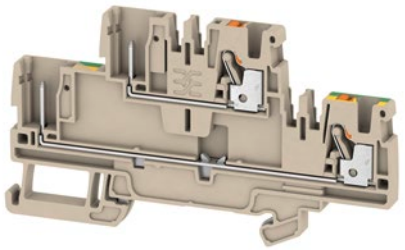
IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

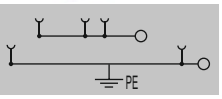
Type	Qty.	Order No.
APGTB 2.5 2T VL 4C/2	50	**1548140000**
APGTB 2.5 2T VL 4C/2 BL	50	**1548150000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEP 2T 2.5 BL		20	**1547700000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 2.5/1	24 A	50	**1513720000**
APG 2.5/10	24 A	20	**1513770000**
APG 2.5 MI	24 A	50	**1513880000**
APG 2.5 L	24 A	50	**1513830000**
APG 2.5 R	24 A	50	**1513940000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

APGTB 2.5 2T FT-PE 4C/2 — 2.5 mm²



5.1 x 91 x 50.5
24 / 2.5
0.14...2.5



In accordance with IEC 60947-7-1

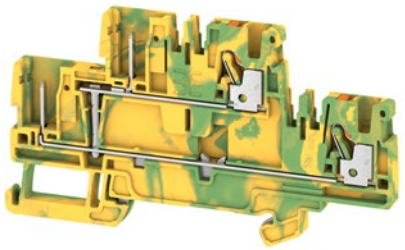
IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 28...12		
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

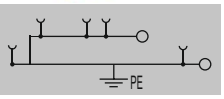
Type	Qty.	Order No.
APGTB 2.5 2T FT-PE 4C/2	50	**1548130000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEP 2T 2.5 BL		20	**1547700000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 2.5/1	24 A	50	**1513720000**
APG 2.5/10	24 A	20	**1513770000**
APG 2.5 MI	24 A	50	**1513880000**
APG 2.5 L	24 A	50	**1513830000**
APG 2.5 R	24 A	50	**1513940000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

APGTB 2.5 2T PE 4C/2 — 2.5 mm²



5.1 x 91 x 50.5
/ 2.5
0.14...2.5



In accordance with IEC 60947-7-2

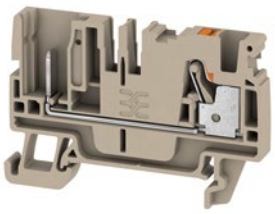
IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

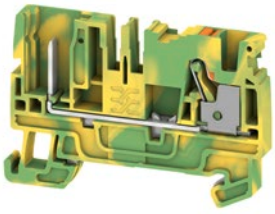
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
APGTB 2.5 2T PE 4C/2	50	**1548160000**

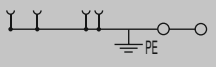
Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 2.5/10	24 A	20	**1513770000**
APG 2.5 MI	24 A	50	**1513880000**
APG 2.5 L	24 A	50	**1513830000**
APG 2.5 R	24 A	50	**1513940000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

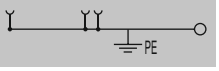
	APGTB 4 FT 2C/1	4 mm²	APGTB 4 PE 2C/1	4 mm²





Width/Height/Depth	mm	6.1 x 59.5 x 39.5	6.1 x 59.5 x 39.5
max. current / max. cond. cross-section	A/mm²	32 / 4	/ 4
Max. clamping range	mm²	0.14...4	0.14...4





Technical data

Rated data		In accordance with IEC 60947-7-1				In accordance with IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	800	600			800	600		
Rated current	A	32	30						
for wire cross-section	mm²	4	AWG 26...10			4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity				8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A4 / V-0				A4 / V-0	
Number of operating cycles									
Approvals									
Clamped conductors (H05V/H07V)									
Solid / Stranded	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm				12 / 0.6 x 3.5 mm			
Note									

Ordering data

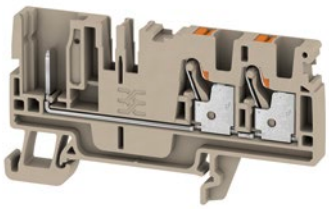
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige		APGTB 4 FT 2C/1	100	2540050000			
Blue		APGTB 4 FT 2C/1 BL	100	2540060000			
Green/yellow					APGTB 4 PE 2C/1	50	2540110000
Note							

Accessories

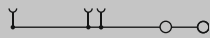
Plug-in cross-connection								
2-pole		ZQV 4N/2	32 A	60	1527930000	ZQV 4N/2	32 A	60	1527930000
10-pole		ZQV 4N/10	32 A	20	1528090000	ZQV 4N/10	32 A	20	1528090000
End plate								
dark beige		AEP 2C 4		50	2051680000	AEP 2C 4		50	2051680000
Blue		AEP 2C 4 BL		50	2051690000	AEP 2C 4 BL		50	2051690000
End bracket								
dark beige, screwable		AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige, direct mounting		AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Plug								
		APG 4/1	32 A	50	2540460000	APG 4/1	32 A	50	2540460000
		APG 4/10	32 A	20	2540550000	APG 4/10	32 A	20	2540550000
		APG 4 MI	32 A	50	2540580000	APG 4 MI	32 A	50	2540580000
		APG 4 L	32 A	50	2540360000	APG 4 L	32 A	50	2540360000
		APG 4 R	32 A	50	2540610000	APG 4 R	32 A	50	2540610000
Screwdriver								
Standard		SDIL 0,6X3,5X100		1	2749140000	SDIL 0,6X3,5X100		1	2749140000
Marking tags								
		WS 10/6 M PLUS MC NE WS		600	2003780000	WS 10/6 M PLUS MC NE WS		600	2003780000
		DEK 5/6 MM WS		600	2007120000	DEK 5/6 MM WS		600	2007120000
		WS 8/6 MM WS		600	2007160000	WS 8/6 MM WS		600	2007160000
		DEK 5/6 PLUS MC NE WS		1000	1011320000	DEK 5/6 PLUS MC NE WS		1000	1011320000

For detailed information on other accessories and application in the online catalogue

APGTB 4 FT 3C/1 — 4 mm²



6.1 x 72 x 39.5
32 / 4
0.14...4



In accordance with IEC 60947-7-1

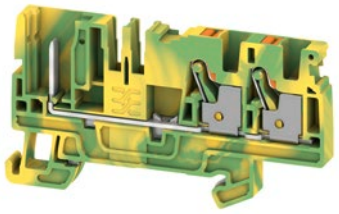
IEC	UL	CSA	EN 60079-7
800	600		
32	30		
4	AWG 26...10		
	8 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

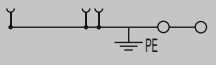
Type	Qty.	Order No.
APGTB 4 FT 3C/1	50	**2540070000**
APGTB 4 FT 3C/1 BL	50	**2540080000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 3C 4		20	**2051720000**
AEP 3C 4 BL		20	**2051880000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 4/1	32 A	50	**2540460000**
APG 4/10	32 A	20	**2540550000**
APG 4 MI	32 A	50	**2540580000**
APG 4 L	32 A	50	**2540360000**
APG 4 R	32 A	50	**2540610000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

APGTB 4 PE 3C/1 — 4 mm²



6.1 x 72 x 39.5
/ 4
0.14...4



In accordance with IEC 60947-7-2

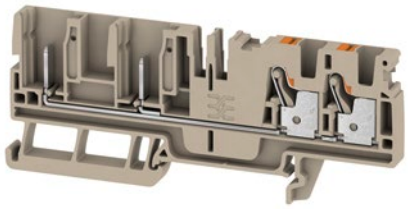
IEC	UL	CSA	EN 60079-7
800	600		
4	AWG 26...10		
	8 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

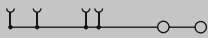
Type	Qty.	Order No.
APGTB 4 PE 3C/1	50	**2540170000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 3C 4		20	**2051720000**
AEP 3C 4 BL		20	**2051880000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 4/1	32 A	50	**2540460000**
APG 4/10	32 A	20	**2540550000**
APG 4 MI	32 A	50	**2540580000**
APG 4 L	32 A	50	**2540360000**
APG 4 R	32 A	50	**2540610000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

APGTB 4 FT 4C/2 — 4 mm²



6.1 x 98 x 39.5
32 / 4
0.14...4



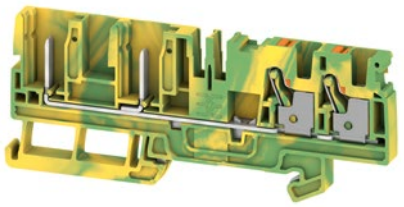
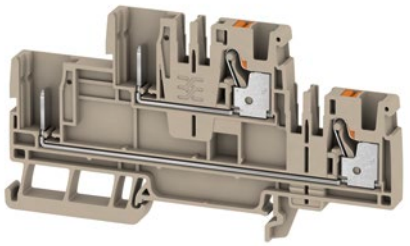
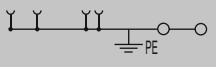
In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
32	30		
4	AWG 26...10		
	8 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
APGTB 4 FT 4C/2	50	**2540090000**
APGTB 4 FT 4C/2 BL	50	**2540100000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP PGTB 4 4C/2		20	**2540210000**
AEP PGTB 4 4C/2 BL		20	**2540280000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 4/1	32 A	50	**2540460000**
APG 4/10	32 A	20	**2540550000**
APG 4 MI	32 A	50	**2540580000**
APG 4 L	32 A	50	**2540360000**
APG 4 R	32 A	50	**2540610000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

	APGTB 4 PE 4C/2	4 mm²	APGTB 4 2T 4C/2	4 mm²
				
Width/Height/Depth mm	6.1 x 98 x 39.5		6.1 x 100 x 53.5	
max. current / max. cond. cross-section -/mm²	/ 4		32 / 4	
Max. clamping range mm²	0.14...4		0.14...4	

Technical data

Rated data					In accordance with IEC 60947-7-2				In accordance with IEC 60947-7-1			
					IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	-				800	600			800	600		
Rated current	-								32	30		
for wire cross-section	mm²				4	AWG 26...10			4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity							8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating							A4 / V-0				A4 / V-0	
Number of operating cycles												
Approvals												
Clamped conductors (H05V/H07V)												
Solid / Stranded	mm²											
Flexible / Flexible with ferrule	mm²											
Stripping length / Blade size	mm/-											
Rated connection												
					0.5...4 / 0.5...4				0.5...4 / 0.5...4			
					0.5...4 / 0.5...4				0.5...4 / 0.5...4			
					12 / 0.6 x 3.5 mm				12 / 0.6 x 3.5 mm			
Note												

Ordering data

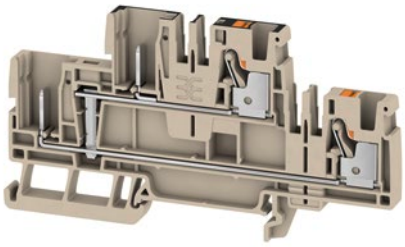
Version			Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige					APGTB 4 2T 4C/2	50	2540230000
	Blue					APGTB 4 2T 4C/2 BL	50	2540250000
	Green/yellow		APGTB 4 PE 4C/2	50	2540180000			
Note								

Accessories

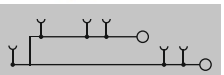
			Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection										
	2-pole		ZQV 4N/2	32 A	60	1527930000	ZQV 4N/2	32 A	60	1527930000
	10-pole		ZQV 4N/10	32 A	20	1528090000	ZQV 4N/10	32 A	20	1528090000
End plate										
	dark beige		AEP PGTB 4 4C/2		20	2540210000	AEP 2T 4		20	2540000000
	Blue		AEP PGTB 4 4C/2 BL		20	2540280000	AEP 2T 4 BL		20	2540010000
End bracket										
	dark beige, screwable		AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
	dark beige, direct mounting		AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Plug										
			APG 4/1	32 A	50	2540460000	APG 4/1	32 A	50	2540460000
			APG 4/10	32 A	20	2540550000	APG 4/10	32 A	20	2540550000
			APG 4 MI	32 A	50	2540580000	APG 4 MI	32 A	50	2540580000
			APG 4 L	32 A	50	2540360000	APG 4 L	32 A	50	2540360000
			APG 4 R	32 A	50	2540610000	APG 4 R	32 A	50	2540610000
Screwdriver										
	Standard		SDIL 0,6X3,5X100		1	2749140000	SDIL 0,6X3,5X100		1	2749140000
Marking tags										
			WS 10/6 M PLUS MC NE WS		600	2003780000	WS 10/6 M PLUS MC NE WS		600	2003780000
			DEK 5/6 MM WS		600	2007120000	DEK 5/6 MM WS		600	2007120000
			WS 8/6 MM WS		600	2007160000	WS 8/6 MM WS		600	2007160000
			DEK 5/6 PLUS MC NE WS		1000	1011320000	DEK 5/6 PLUS MC NE WS		1000	1011320000

For detailed information on other accessories and application in the online catalogue

APGTB 4 2T VL 4C/2 — 4 mm²



6.1 x 100 x 53.5
32 / 4
0.14...4



In accordance with IEC 60947-7-1

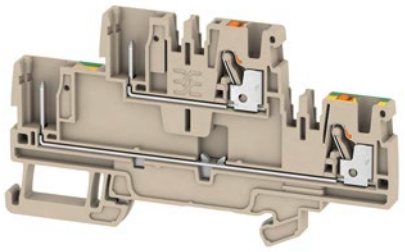
IEC	UL	CSA	EN 60079-7
800	600		
32	30		
4	AWG 26...10		
	8 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

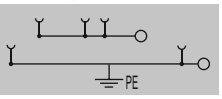
Type	Qty.	Order No.
APGTB 4 2T VL 4C/2	50	**2540260000**
APGTB 4 2T VL 4C/2 BL	50	**2540270000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 2T 4		20	**2540000000**
AEP 2T 4 BL		20	**2540010000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 4/1	32 A	50	**2540460000**
APG 4/10	32 A	20	**2540550000**
APG 4 MI	32 A	50	**2540580000**
APG 4 L	32 A	50	**2540360000**
APG 4 R	32 A	50	**2540610000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

APGTB 4 2T FT-PE 4C/2 — 4 mm²



6.1 x 100 x 53.5
32 / 4
0.14...4



In accordance with IEC 60947-7-1

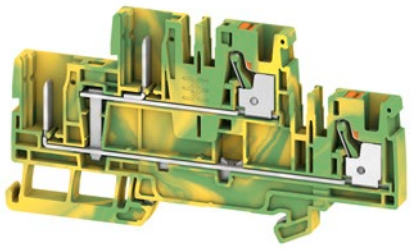
IEC	UL	CSA	EN 60079-7
800	600		
32	30		
4	AWG 26...10		
	8 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

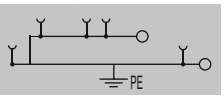
Type	Qty.	Order No.
APGTB 4 2T FT-PE 4C/2	50	**2540290000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 2T 4		20	**2540000000**
AEP 2T 4 BL		20	**2540010000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 4/1	32 A	50	**2540460000**
APG 4/10	32 A	20	**2540550000**
APG 4 MI	32 A	50	**2540580000**
APG 4 L	32 A	50	**2540360000**
APG 4 R	32 A	50	**2540610000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

APGTB 4 2T PE 4C/2 — 4 mm²



6.1 x 100 x 53.5
/ 4
0.14...4



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600		
4	AWG 26...10		
	8 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
APGTB 4 2T PE 4C/2	50	**2540300000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 2T 4		20	**2540000000**
AEP 2T 4 BL		20	**2540010000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
APG 4/1	32 A	50	**2540460000**
APG 4/10	32 A	20	**2540550000**
APG 4 MI	32 A	50	**2540580000**
APG 4 L	32 A	50	**2540360000**
APG 4 R	32 A	50	**2540610000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

	APG 1.5...	1.5 mm²	APG 2.5...	2.5 mm²
				
Width/Height/Depth mm	3.5 x 14 x 31.15		5.1 x 16.5 x 42.5	
max. current / max. cond. cross-section A/mm²	**17.5 / 1.5**		**24 / 2.5**	
Max. clamping range mm²	**0.14...1.5**		**0.14...2.5**	

Technical data

Rated data					In accordance with IEC 60947-7-1				In accordance with IEC 60947-7-1			
					IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage				-	500	300	300		800	600	600	
Max. voltage of clamp support & pluggable system				-								
Rated current				A	17.5	13	13		24	20	20	
for wire cross-section				mm²	1.5	AWG 26...14	AWG 26...14		2.5	AWG 28...12	AWG 28...12	
Rated impulse withstand voltage / Pollution severity											8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating							A1 / V-0				A3 / V-0	
Approvals												
Clamped conductors (H05V/H07V)												
Solid / Stranded				mm²	0.5...1.5 1.5				0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule				mm²	0.5...1.5 / 0.5...1				0.5...2.5 / 0.5...2.5			
Stripping length / Blade size				mm/-	10 / 0.4 x 2.0 mm				10 / 0.6 x 3.5 mm			
Note												

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
1-pole	APG 1.5/1	50	**2482340000**	APG 2.5/1	50	**1513720000**
2-pole	APG 1.5/2	25	**2482350000**	APG 2.5/2	25	**1513640000**
3-pole	APG 1.5/3	25	**2482360000**	APG 2.5/3	25	**1513650000**
4-pole	APG 1.5/4	25	**2482370000**	APG 2.5/4	25	**1513670000**
5-pole	APG 1.5/5	25	**2482380000**	APG 2.5/5	25	**1513680000**
6-pole	APG 1.5/6	25	**2482390000**	APG 2.5/6	25	**1513690000**
7-pole	APG 1.5/7	25	**2482400000**	APG 2.5/7	25	**1513700000**
8-pole	APG 1.5/8	20	**2482410000**	APG 2.5/8	20	**1513730000**
9-pole	APG 1.5/9	20	**2482420000**	APG 2.5/9	20	**1513740000**
10-pole	APG 1.5/10	20	**2482430000**	APG 2.5/10	20	**1513770000**
3-pole/BG-BL-GN	APG 1.5/3-BG-BL-GN	25	**2482460000**	APG 2.5/3-BG-BL-GN	25	**1513820000**
4-pole/3BG-Gn	APG 1.5/4-3BG-GN	25	**2482450000**	APG 2.5/4-3BG-GN	25	**1513790000**
5-pole/3BG-BL-GN	APG 1.5/5-3BG-BL-GN	25	**2482440000**	APG 2.5/5-3BG-BL-GN	25	**1513780000**
Note						

Accessories

End plate	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	MCV APG 1.5	50	**2485980000**	MCV APG 2.5	50	**2035590000**
Coding						
	APGCE	50	**1514490000**	APGCE	50	**1514490000**
Cover						
	APGPC 1.5	50	**2482530000**	APGPC 2.5	50	**1514500000**
Interlock						
	APGLE 1.5	25	**2482720000**	APGLE 2.5/4	25	**2457570000**
Strain relief						
	APGSR 1.5	25	**2482730000**	APGSR 2.5/4	25	**2457580000**
	APGSR 1.5 - 4P	25	**2482740000**	APGSR 2.5/4 - 4P	25	**2457590000**
	APGSR 1.5 - 8P	25	**2482750000**	APGSR 2.5/4 - 8P	25	**2457600000**
Marking tags						
	WS 10/3.5 PLUS MC NE WS	960	**2003760000**	DEK 5/5 PLUS MC NE WS	1000	**1854490000**
	DEK 5/3.5 MM WS	1000	**2007100000**	WS 10/5 M MC NE WS	720	**1792000000**
	WS 8/3.5 MM WS	1000	**2007140000**	WS 8/5 MM WS	800	**2007150000**
	DEK 5/3.5 PLUS MC NE WS	1600	**2003750000**			

For detailed information on other accessories and application in the online catalogue

APG 4... — 4 mm²



6.1 x 19 x 50.95
32 / 4
0.14...4

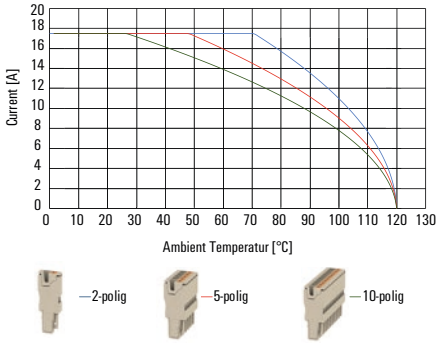
In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	600		
32	30		
4	AWG 26...10		
		8 kV / 3	
		A4 / V-0	

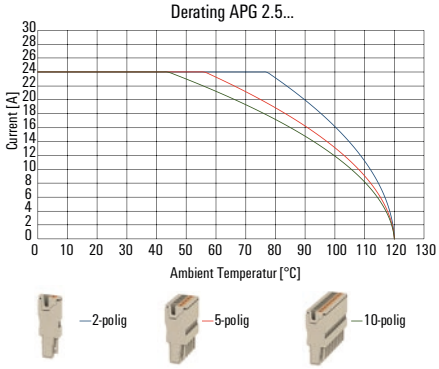
cULus

Rated connection	Plug-in connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	

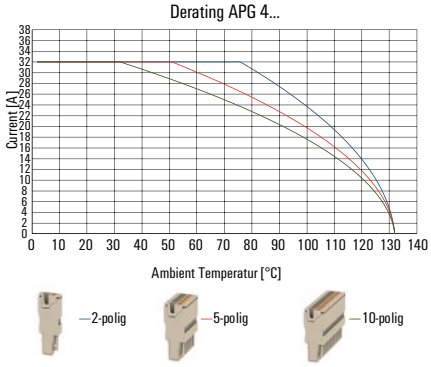
Derating APG 1.5...



Derating APG 2.5...



Derating APG 4...

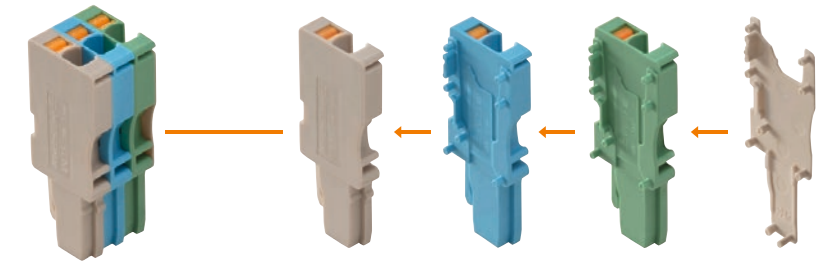


Type	Qty.	Order No.
APG 4/1	50	**2540460000**
APG 4/2	25	**2540470000**
APG 4/3	25	**2540480000**
APG 4/4	25	**2540490000**
APG 4/5	25	**2540500000**
APG 4/6	25	**2540510000**
APG 4/7	25	**2540520000**
APG 4/8	20	**2540530000**
APG 4/9	20	**2540540000**
APG 4/10	20	**2540550000**
APG 4/3-BG-BL-GN	25	**2540450000**
APG 4/4-3BG-GN	25	**2540440000**
APG 4/5-3BG-BL-GN	25	**2540430000**

Type	Qty.	Order No.
MCV APG 4	50	**2540800000**
APGCE	50	**1514490000**
APGPC 4	50	**2540960000**
APGLE 2.5/4	25	**2457570000**
APGSR 2.5/4	25	**2457580000**
APGSR 2.5/4 - 4P	25	**2457590000**
APGSR 2.5/4 - 8P	25	**2457600000**
WS 10/6 M MC NE WS	600	**1818400000**
DEK 5/6 MM WS	600	**2007120000**
WS 8/6 MM WS	600	**2007160000**
DEK 5/6 PLUS MC NE WS	1000	**1011320000**

Single plates for individual assembly

The individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on-site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).



complete pole number n=3 | 1x Start plate APG .. L | 1x Middle plate APG .. MI | 1x End plate APG .. R | 1x Cover MCV APG

Plug

- Single plates, plug APG 1.5 L
- Marking option







Ordering data Single plates	Type	Qty.	Order No.
Start plate	APG 1.5 L	50	2482250000
	APG 1.5 L BL	50	2482260000
	APG 1.5 L GN	50	2482270000
Middle plate	APG 1.5 MI	50	2482280000
	APG 1.5 MI BL	50	2482290000
	APG 1.5 MI GN	50	2482300000
End plate	APG 1.5 R	50	2482310000
	APG 1.5 R BL	50	2482320000
	APG 1.5 R GN	50	2482330000
Cover	MCV APG 1.5	50	2485980000
Note			

APG 2.5

Type	Qty.	Order No.
APG 2.5 L	50	1513830000
APG 2.5 L BL	50	1513840000
APG 2.5 L GN	50	1513850000
APG 2.5 MI	50	1513880000
APG 2.5 MI BL	50	1513900000
APG 2.5 MI GN	50	1513930000
APG 2.5 R	50	1513940000
APG 2.5 R BL	50	1513950000
APG 2.5 R GN	50	1513980000
MCV APG 2.5	50	2035590000

APG 4

Type	Qty.	Order No.
APG 4 L	50	2540360000
APG 4 L BL	50	2540560000
APG 4 L GN	50	2540570000
APG 4 MI	50	2540580000
APG 4 MI BL	50	2540590000
APG 4 MI GN	50	2540600000
APG 4 R	50	2540610000
APG 4 R BL	50	2540620000
APG 4 R GN	50	2540630000
MCV APG 4	50	2540800000

Strain relief

- APGSR Strain relief transmits mechanical forces to the plastic housing and protects the contact point

APGSR

Strain reliefs



Ordering data	Type	Qty.	Order No.
1.5 mm²	APGSR 1.5	25	2482730000
1.5 mm²	APGSR 1.5 - 4P	25	2482740000
1.5 mm²	APGSR 1.5 - 8P	25	2482750000
2.5 mm² / 4 mm²	APGSR 2.5/4	25	2457580000
2.5 mm² / 4 mm²	APGSR 2.5/4 - 4P	25	2457590000
2.5 mm² / 4 mm²	APGSR 2.5/4 - 8P	25	2457600000
Note			

Application



Protective cover

- APGPC finger guard, also protects the contact point from dirt

Ordering data
1.5 mm²
2.5 mm²
4.0 mm²
Note

APGPC

Protective cover



Type	Qty.	Order No.
APGPC 1.5	50	2482530000
APGPC 2.5	50	1514500000
APGPC 4	50	2540960000

Application



Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data
2.5 mm²
Note

APGCE

Coding elements



Type	Qty.	Order No.
APGCE	50	1514490000

Application



Locking elements

- APGLE to interlock with the terminal block
- APGLE interlock, plug – socket

Ordering data
1.5 mm²
2.5 mm² / 4 mm²
Note

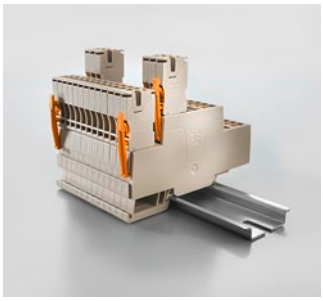
APGLE

Locking element



Type	Qty.	Order No.
APGLE 1.5	25	2482720000
APGLE 2.5/4	25	2457570000

Application



PUSH IN terminal blocks with electronic components

Klippon® Connect A2T 2.5 EM

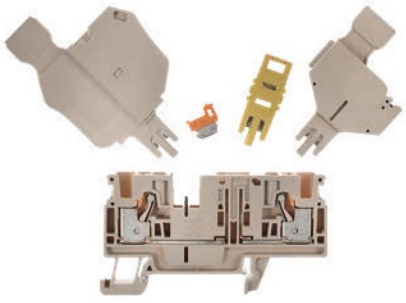
In industrial control panels, the smallest electronic components often have to be integrated to protect sensitive electronics, to connect components, to visualise operating states, and much more. Furthermore, maximum flexibility is required for the individual design of circuits.

Our terminal blocks with integrated electronic components provide a space-saving way of integrating important functions into circuits. The standard portfolio includes terminals with integrated diodes, resistors, and LEDs. In addition, specific components can be selected and soldered into the terminal body. This allows Klippon® Connect terminals with PUSH IN technology to be used extremely flexibly for a wide range of switching tasks.

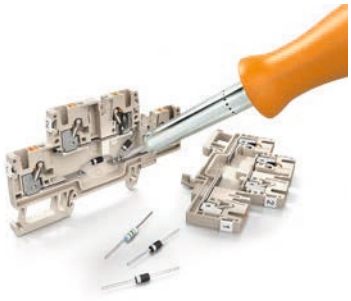
Your special advantages:

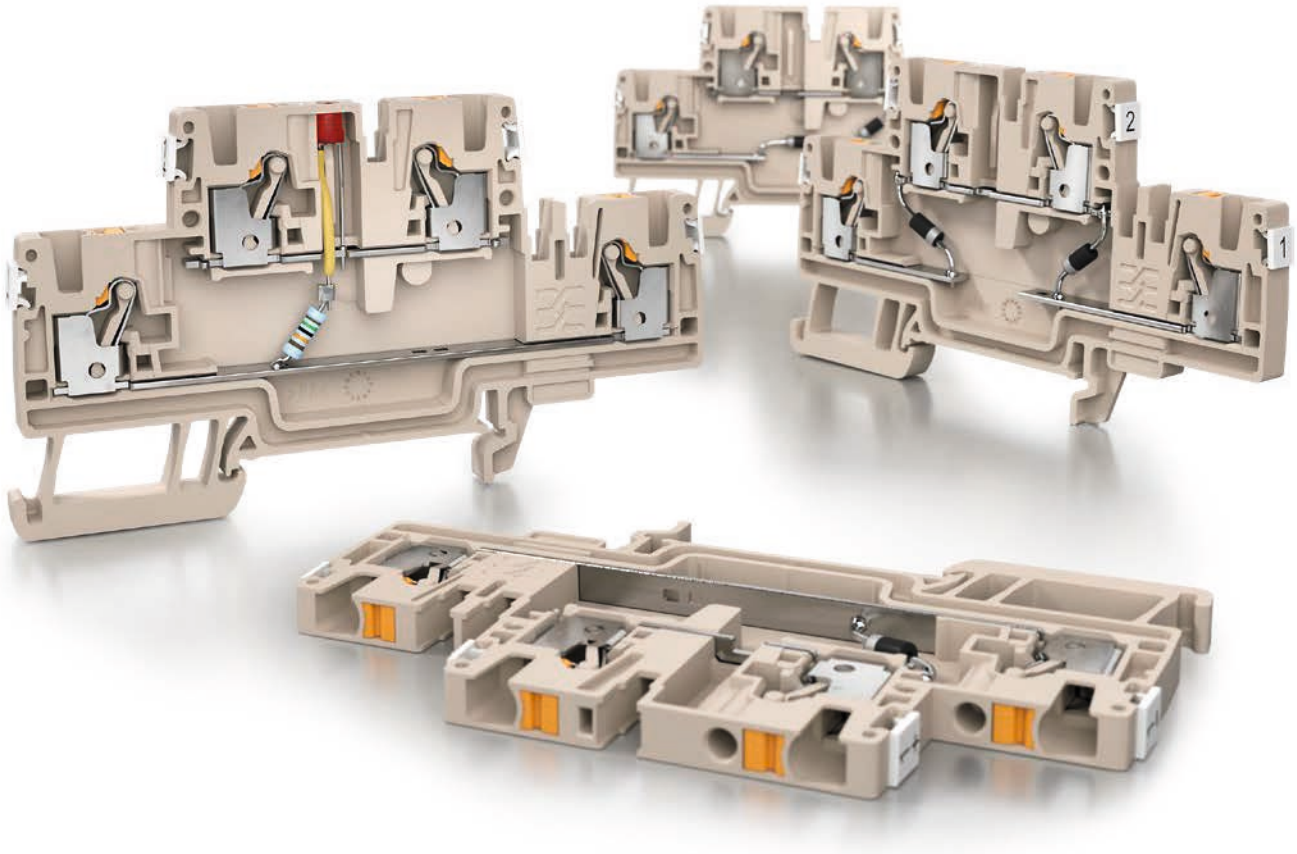
- Maximum flexibility due to designs with and without integrated electronic components
- Highest security for components against voltage peaks and overvoltage
- Individual application possibilities thanks to numerous contact points for the integration of customer-specific electronic components
- Thanks to the contour uniformity, a combination with standard double level terminal blocks is possible

Alternative product solutions
The multifunctional disconnection areas allow the insertion of fuse holders (SIHA) or component plugs (BEST). This allows test-disconnect terminals to be converted to fuse terminals or to terminal blocks with electronic components.

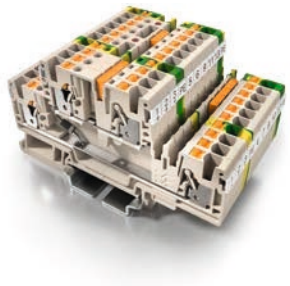


Individual application possibilities
Electronic components can be integrated into the different versions of the basic modular terminal block in accordance with the specific application. Numerous, easily accessible contact points allow the components to be soldered in.

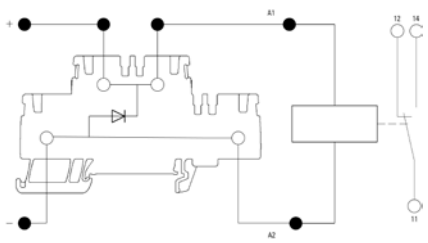


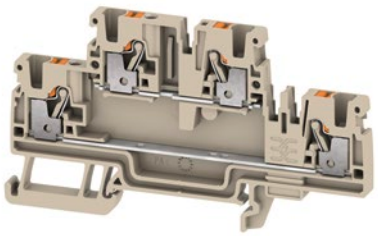
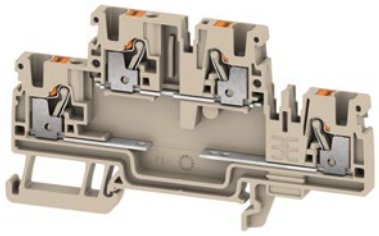


Flexible control cabinet integration
The design of the A2T 2.5 EM has the same contours as the standard double-level terminals of the A-series. Accessories such as the end plate can be adopted and potentials can be multiplied via the cross-connection channel.



Maximum protection of components
Integrated blocking diodes protect components against reverse currents or resistances. Voltage peaks or overvoltages can thus be effectively counteracted.



		A2T 2.5 EM1 D/0	2.5 mm²	A2T 2.5 EM2 D/0	2.5 mm²
					
Width/Height/Depth	mm	5.1 x 90 x 50.5		5.1 x 90 x 50.5	
max. current / max. cond. cross-section	A/mm²	**24 / 2.5**		**24 / 2.5**	
Max. clamping range	mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

		In accordance with IEC 60947-7-1				In accordance with IEC 60947-7-1			
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage of feed-through terminal	V	800				800			
Rated current	A	10				10			
for wire cross-section	mm²	2.5				2.5			
Rated impulse withstand voltage / Pollution severity				/ 3				/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0				A3 / V-0	
Component 1									
Approvals		CE				CE			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Component diode									
Type diode									
Forward current									
Reverse voltage									
Forward voltage									
Component LED									
Colour									
Voltage, min.									
Voltage, max.									
Current									
Component resistor									
Resistance									
Power loss									
Tolerance (%)									
Note		10 A for continuous current bars. Components can reduce rated current and rated voltage. Observe the permissible continuous operating temperature.				10 A for continuous current bars. Components can reduce rated current and rated voltage. Observe the permissible continuous operating temperature.			

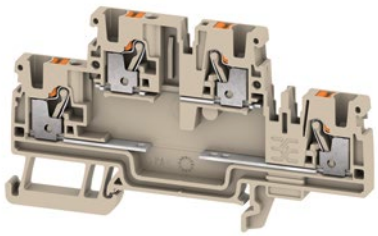
Ordering data

Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	A2T 2.5 EM1 D/0	50	**2704330000**	A2T 2.5 EM2 D/0	50	**2704360000**
Note						

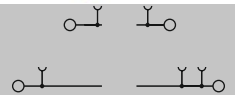
Accessories

	Type		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
Plug-in cross-connection								
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**	ZQV 2.5N/10	24 A	20	**1527690000**
End plate								
dark beige	AEP 2T 2.5		20	**1547690000**	AEP 2T 2.5		20	**1547690000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**
	SNAPMARK I		50	**1805880000**	SNAPMARK I		50	**1805880000**
For detailed information on other accessories and application in the online catalogue								

A2T 2.5 EM3 D/0 — 2.5 mm²



5.1 x 90 x 50.5
/ 2.5
0.14...2.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
2.5			
		/ 3	
		A3 / V-0	

CE

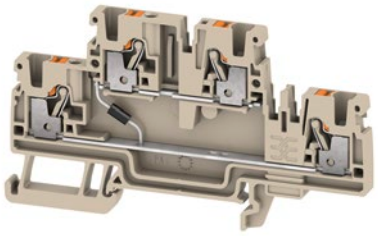
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

10 A for continuous current bars. Components can reduce rated current and rated voltage. Observe the permissible continuous operating temperature.

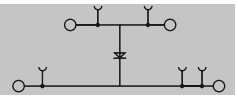
Type	Qty.	Order No.
A2T 2.5 EM3 D/0	50	**2704340000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

A2T 2.5 EM1 D/1 — 2.5 mm²



5.1 x 90 x 50.5
1 / 2.5
0.14...2.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
1			
2.5			
		/ 3	
		A3 / V-0	
		1 N 4007 /	

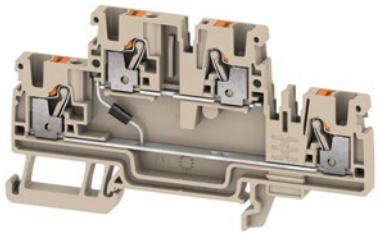
CE

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

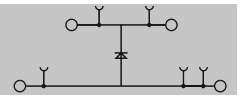
Type	Qty.	Order No.
A2T 2.5 EM1 D/1	50	**2704370000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

A2T 2.5 EM1 D/2 — 2.5 mm²



5.1 x 90 x 50.5
1 / 2.5
0.14...2.5



In accordance with IEC 60947-7-1

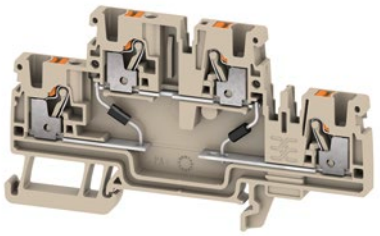
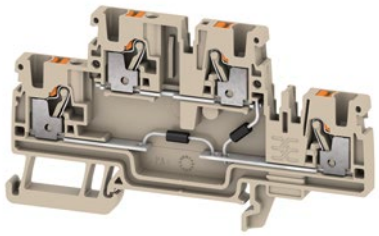
IEC	UL	CSA	EN 60079-7
24			
1			
2.5			
		/ 3	
		A3 / V-0	
		1 N 4007 /	

CE

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

Type	Qty.	Order No.
A2T 2.5 EM1 D/2	50	**2704380000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

		A2T 2.5 EM2 D/5	2.5 mm²	A2T 2.5 EM2 D/6	2.5 mm²
					
Width/Height/Depth	mm	5.1 x 90 x 50.5		5.1 x 90 x 50.5	
max. current / max. cond. cross-section	A/mm²	**1 / 2.5**		**1 / 2.5**	
Max. clamping range	mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

		In accordance with IEC 60947-7-1			
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage of feed-through terminal	V	24			
Rated current	A	1			
for wire cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity			/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Component 1			1 N 4007 /		
Approvals		CE			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Component diode					
Type diode		1N4007			
Forward current		1A			
Reverse voltage		1300V			
Forward voltage		0.7V			
Component LED					
Colour					
Voltage, min.					
Voltage, max.					
Current					
Component resistor					
Resistance					
Power loss					
Tolerance (%)					
Note					

	In accordance with IEC 60947-7-1			
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage of feed-through terminal V	24			
Rated current A	1			
for wire cross-section mm²	2.5			
Rated impulse withstand voltage / Pollution severity		/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Component 1		1 N 4007 /		
Approvals	CE			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Component diode				
Type diode	1N4007			
Forward current	1A			
Reverse voltage	1300V			
Forward voltage	0.7V			
Component LED				
Colour				
Voltage, min.				
Voltage, max.				
Current				
Component resistor				
Resistance				
Power loss				
Tolerance (%)				
Note				

Ordering data

Version	**Type**	**Qty.**	**Order No.**
dark beige	A2T 2.5 EM2 D/5	50	**2704390000**
Note			

Type	**Qty.**	**Order No.**
A2T 2.5 EM2 D/6	50	**2704400000**

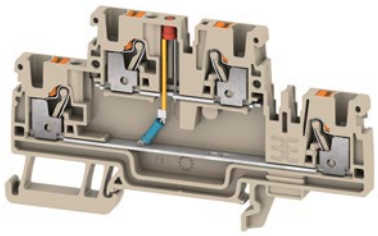
Accessories

Plug-in cross-connection	**Type**		**Qty.**	**Order No.**
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
End plate				
dark beige	AEP 2T 2.5		20	**1547690000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**
	SNAPMARK I		50	**1805880000**

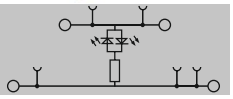
Type		**Qty.**	**Order No.**
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

For detailed information on other accessories and application in the online catalogue

A2T 2.5 EM1 24VUC LED RD/1 — 2.5 mm²



5.1 x 90 x 50.5
10 / 2.5
0.14...2.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	/ 3		
	A3 / V-0		
	LED red / Resistance 4.7 kΩ		
CE			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
red			
6V			
24V			
20mA			
4.7kOhm			
0.4W			
1%			

Type	Qty.	Order No.
A2T 2.5 EM1 24VUC LED RD/1	50	**2704410000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

Simple and efficient marking of assembled mounting rails

Klippon® Automated RailLaser for efficient control cabinet construction

Value-added processes must be faster, more precise and more economical, especially in times of full order books and a growing lack of specialists. This particular applies to control cabinet construction. Digitalisation and automation are important factors for increasing efficiency.

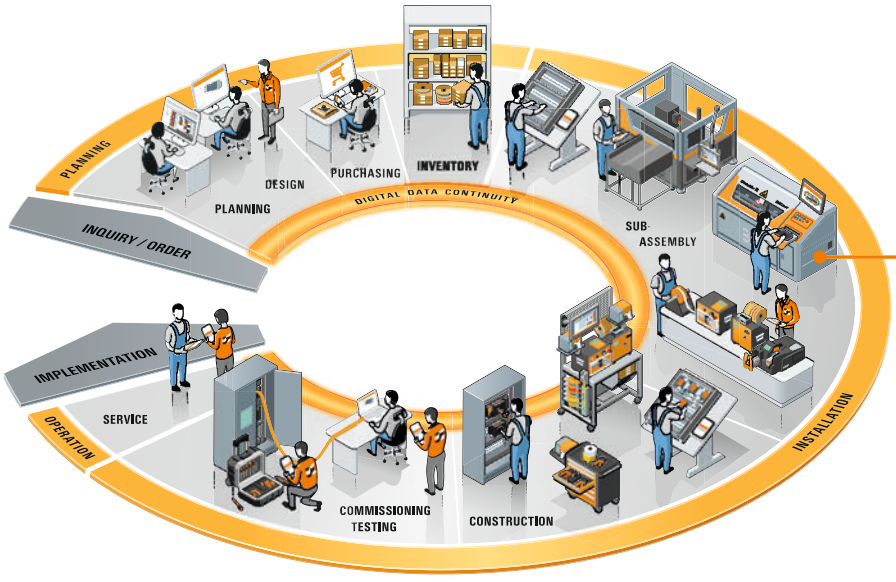
In combination with the Weidmüller Configurator (WMC) software, the Klippon® Automated RailLaser enables fully automatic marking of pre-assembled terminal strips. The use of terminal blocks with markers already attached eliminates the need to separate, assign and mount individual markers. This allows time savings of up to 90 % in marking processes. The laser marking of the terminal strips also meets the highest demands on marking quality.

With Weidmüller, you have a powerful partner at your side who supports you with optimally coordinated solutions for your workshop in all phases. Based on many years of practical experience in all aspects of control cabinet construction, we offer you a comprehensive portfolio with which you can effectively accelerate your processes and increase your quality.

Your special advantages:

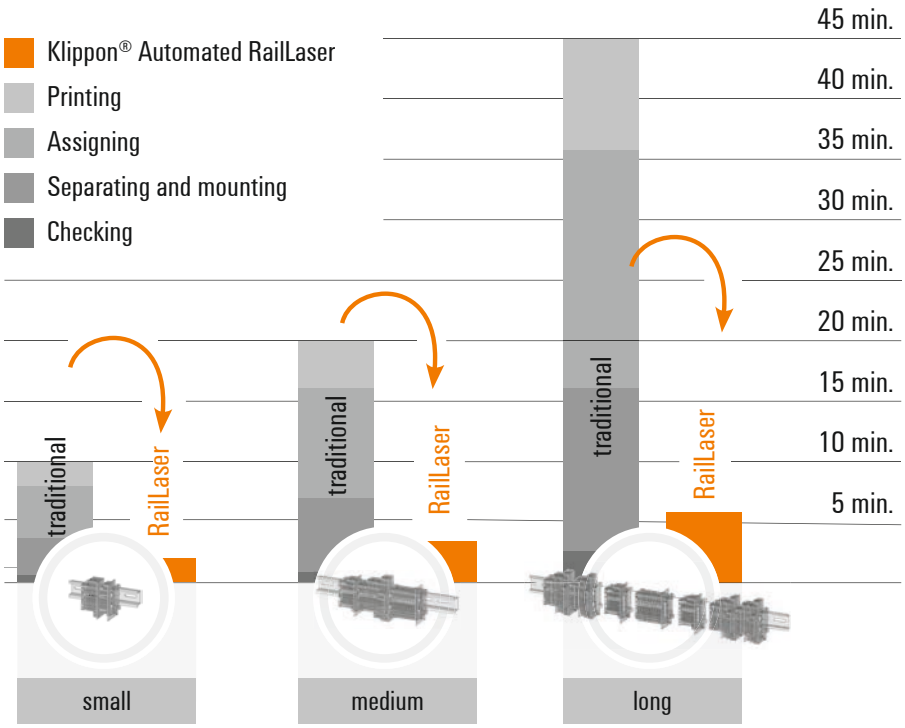
- Up to 90 % time saving in marking process
- Avoidance of incorrect markings due to the consistent use of data from eCAD programs when using the Weidmüller Configurator (WMC)
- Excellent marking quality and high-quality print image on a wide variety of materials





Time savings up to 90%

With the Klippon® Automated RailLaser, printing, assigning, separating, mounting and checking individual markers is a thing of the past.



Discover your optimisation potential now:
www.weidmueller.com/workplace



Gain a competitive edge with innovative technology

Our leading system for fully automatic terminal strip marking

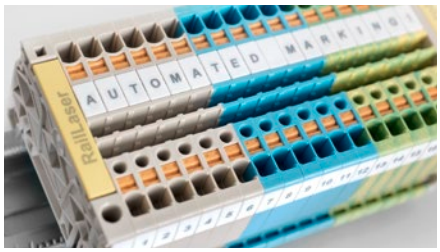




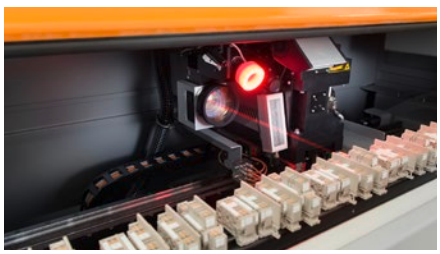
Robust marking
The Klippon® Automated RailLaser labels the markers directly. In this way, even the highest requirements for wipe and scratch resistance are met. The high-resolution quality ensures sharp contours and good legibility – even with the smallest markings.



Matching assortment
Based on Weidmüller's standard markers, the Klippon® Connect A-Series offers a suitably matched portfolio of pre-assembled markers. This enables the full saving potential of the Klippon® Automated RailLaser.



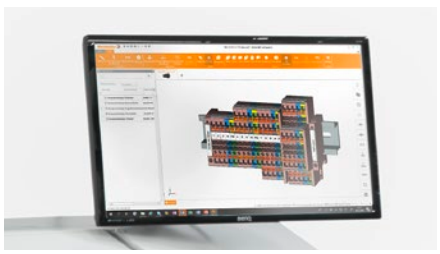
Universal labelling options
Due to the innovative laser technology, no special markers are required for the Klippon® Automated RailLaser. In addition to the pre-loaded white markers, the markers from Weidmüller's standard portfolio with their wide range of colors and materials can also be used.



Highest performance
The innovative interaction of software, sensor technology and laser system ensures fast, high-precision marking results. Time savings of up to 90 % will take you to the next level of efficient marking.



Highest flexibility
Due to the universal mounting rail holder and the laser direct marking technology, it is possible to very precisely mark terminal blocks and other mounting rail components – even with complex geometries. TS35 mounting rails can be marked from 100 to 1,200 mm in length, from 7.5 to 15 mm in height, and with a total weight of up to 15 kilograms.

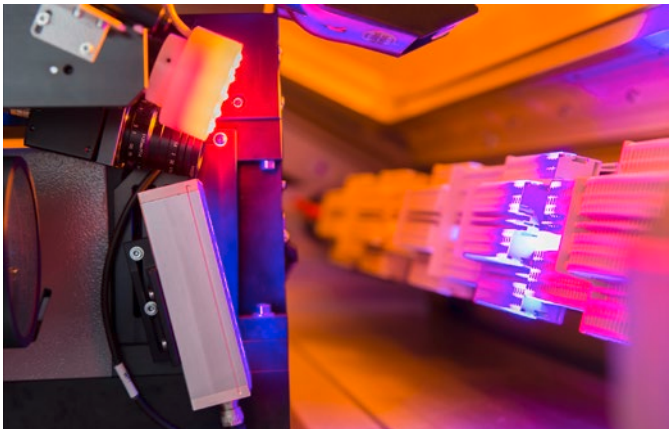


Reliable quality
Due to the integration of the Weidmüller Configurator (WMC), planning data from eCAD programs can be used continuously. Error potentials are minimised because manual production steps and image processing in the machine are eliminated.

Highest precision and quality
Integrated image processing system for safe handling

The core of the Klippon® Automated RailLaser is an image processing system that is used to measure the terminal strips before the marking process. It determines the actual position of each marker, compares it with the theoretical position from the digital model and carries out the corresponding corrections fully automatically. This ensures a perfect marking result even in case of position deviations – e.g. because of thermal expansion of the components or inaccurate clamp position due to manual assembly.

The following illustrations show the advantage of labelling using the image processing system of the Klippon® Automated RailLaser: The system ensures first-class marking results in various applications and guarantees a high-quality appearance of the terminal strip in the finished control cabinet.





Marking result without image processing system



Marking result with image processing system

Technical data

Supply voltage	400 V AC / 32 A
Dimensions (W × H × D)	2.260 x 1.350 x 1.200 mm
Installation area (W × D)	3.860 x 2.000 mm
Weight	1.200 kg
Interfaces	USB, Ethernet, Suction
Marker type	MultiCard on terminal block
Software	Weidmüller Configurator WMC
Laser wavelength	355 nm
Laser class according to EN60825-1	Class 1
Operation door	Opening/closing motorised
Mounting rail adapter	100 - 1.200 mm

Ordering data

Type	Order No.
RAILLASER	2705010000

More technical details and further labelling systems can be found at catalog.weidmueller.com

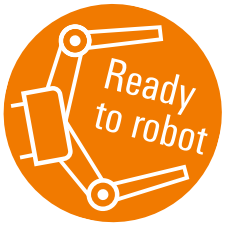
The perfect complement for our Klippon® Automated RailLaser

Klippon® Connect A-Series

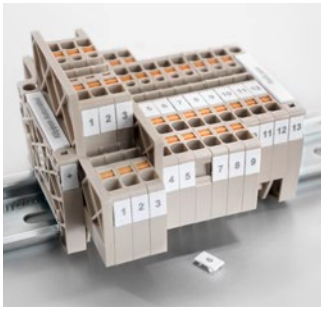
In addition to the marking process, equipping the terminal blocks with markers is also very time-consuming.

That is why we already carried out this step for you. Use our Weidmüller standard markers, which are pre-equipped with Klippon® Connect A-Series terminal blocks. You benefit from the full optimisation potential of the Klippon® Automated RailLaser.

Our Klippon® Connect A-Series has been designed to be ready-to-robot. Special features such as the gripper-optimised outer contours ensure safe handling with a robot.





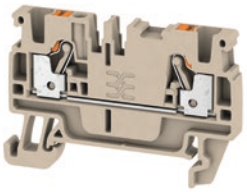
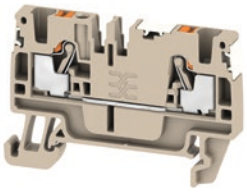


Markers can be easily replaced



In addition, customers can also mount the markers themselves



	A2C 2.5	2.5 mm²	A2C 2.5 DL	2.5 mm²
				
Width/Height/Depth mm	5.1 x 55 x 36.5		5.1 x 55 x 36.5	
max. current / max. cond. cross-section A/mm²	**24 / 2.5**		**24 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data	A2C 2.5	A2C 2.5 DL
Rated voltage of feed-through terminal	IEC 60947-7-1	IEC 60947-7-1
Rated current	IEC 800 / UL 600 / CSA 600 / EN 60079-7	IEC 800 / UL / CSA / EN 60079-7
for wire cross-section	IEC 24 / UL 20 / CSA 20	IEC 24 / UL / CSA
Rated impulse withstand voltage / Pollution severity	IEC 2.5 / UL AWG 28...12 / CSA AWG 28...12	IEC 2.5 / UL / CSA
Gauge to IEC 60947-1 / UL 94 flammability rating	8 kV / 3	8 kV / 3
Number of operating cycles	A3 / V-0	A3 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	A2C 2.5	100	**1521850000**	A2C 2.5 DL	100	**2674690000**
Blue	A2C 2.5 BL	100	**1521880000**			
Note						

Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**	ZQV 2.5N/10	24 A	20	**1527690000**
End plate								
dark beige	AEP 2C 2.5		50	**1514400000**	AEP 2C 2.5		50	**1514400000**
Blue	AEP 2C 2.5 BL		50	**1514420000**	AEP 2C 2.5 BL		50	**1514420000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**	ATPG 2.5/3	0.2 A	25	**2041190000**
5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**				
	DEK 5/5 MM WS		800	**2007110000**				
	WS 8/5 MM WS		800	**2007150000**				
	WS 10/5 M PLUS MC NE WS		600	**2003770000**				

For detailed information on other accessories and application in the online catalogue

Feed-through terminal blocks

Type	Qty.	Order No.
A2C 1.5 DL	100	2674590000
A2C 1.5 DL BL	100	2674600000
A2C 1.5 PE DL	50	2674610000
A3C 1.5 DL	50	2674600000
A3C 1.5 DL BL	50	2674640000
A3C 1.5 PE DL	50	2674650000
A4C 1.5 DL	100	2674660000
A4C 1.5 DL BL	100	2674670000
A4C 1.5 PE DL	50	2674680000
A2C 2.5 DL	100	2674690000
A2C 2.5 DL BL	100	2674700000
A2C 2.5 PE DL	50	2674710000
A3C 2.5 DL	100	2674720000
A3C 2.5 DL BL	100	2674730000
A3C 2.5 PE DL	50	2674740000
A4C 2.5 DL	100	2674750000
A4C 2.5 DL BL	100	2674760000
A4C 2.5 PE DL	50	2674770000
A2C 4 DL	50	2674780000
A2C 4 DL BL	50	2674790000
A2C 4 PE DL	50	2674800000
A3C 4 DL	50	2674810000
A3C 4 DL BL	50	2674820000
A3C 4 PE DL	50	2674830000
A4C 4 DL	50	2674840000
A4C 4 DL BL	50	2674850000
A4C 4 PE DL	50	2674860000
A2C 6 DL	50	2674870000
A2C 6 DL BL	50	2674880000
A2C 6 PE DL	50	2674890000
A3C 6 DL	50	2674900000
A3C 6 DL BL	50	2674920000
A3C 6 PE DL	50	2674930000
A2C 10 DL	25	2674940000
A2C 10 DL BL	25	2674950000
A2C 10 PE DL	25	2674960000
A3C 10 DL	25	2674970000
A3C 10 DL BL	25	2674980000
A3C 10 PE DL	25	2674990000
A2C 16 DL	20	2675000000
A2C 16 DL BL	20	2675010000
A2C 16 PE DL	20	2675020000
A3C 16 DL	20	2675030000
A3C 16 DL BL	20	2675040000
A3C 16 PE DL	20	2675050000
A2C 35 DL	5	2742060000
A2C 35 FE DL	5	2742070000
A2C 35 PE DL	5	2735950000
A2C 50/70 DL	5	2742090000
A2C 50/70 FE DL	5	2742100000
A2C 50/70 PE DL	5	2742110000
A2C 95/120 DL	5	2742120000
A2C 95/120 FE DL	5	2742130000
A2C 95/120 PE DL	5	2742140000
A2T 1.5 DL	50	2675060000
A2T 1.5 DL BL	50	2675070000
A2T 1.5 FT-PE DL	50	2675080000
A2T 1.5 VL DL	50	2675090000
A2T 1.5 PE DL	50	2675100000
A2T 2.5 DL	50	2675110000
A2T 2.5 DL BL	50	2675120000
A2T 2.5 FT-PE DL	50	2675130000
A2T 2.5 VL DL	50	2675140000
A2T 2.5 PE DL	50	2675150000
A2T 4 DL	50	2675160000
A2T 4 DL BL	50	2675170000
A2T 4 FT-PE DL	50	2675180000
A2T 4 VL DL	50	2675190000
A2T 4 PE DL	50	2675200000
AMC 2.5 800V DL	50	2742050000
AMC 2.5 DL	50	2742040000
Available on request		

Pluggable terminal blocks

Type	Qty.	Order No.
APGTB 1.5 FT 2C/1 DL	50	2675680000
APGTB 1.5 FT 2C/1 DL BL	50	2675690000
APGTB 1.5 PE 2C/1 DL	50	2675700000
APGTB 1.5 FT 3C/1 DL	50	2675710000
APGTB 1.5 FT 3C/1 DL BL	50	2675720000
APGTB 1.5 PE 3C/1 DL	50	2675730000
APGTB 1.5 FT 4C/2 DL	50	2675740000
APGTB 1.5 FT 4C/2 DL BL	50	2675750000
APGTB 1.5 PE 4C/2 DL	50	2675760000
APGTB 2.5 FT 2C/1 DL	100	2675820000
APGTB 2.5 FT 2C/1 DL BL	100	2675830000
APGTB 2.5 PE 2C/1 DL	50	2675840000
APGTB 2.5 FT 3C/1 DL	50	2675850000
APGTB 2.5 FT 3C/1 DL BL	50	2675860000
APGTB 2.5 PE 3C/1 DL	50	2675870000
APGTB 2.5 FT 4C/2 DL	50	2675880000
APGTB 2.5 FT 4C/2 DL BL	50	2675890000
APGTB 2.5 PE 4C/2 DL	50	2675900000
APGTB 4 FT 2C/1 DL	100	2675960000
APGTB 4 FT 2C/1 DL BL	100	2675970000
APGTB 4 PE 2C/1 DL	50	2675980000
APGTB 4 FT 3C/1 DL	50	2675990000
APGTB 4 FT 3C/1 DL BL	50	2676000000
APGTB 4 PE 3C/1 DL	50	2676010000
APGTB 4 FT 4C/2 DL	50	2676020000
APGTB 4 FT 4C/2 DL BL	50	2676030000
APGTB 4 PE 4C/2 DL	50	2676040000
APGTB 1.5 2T 4C/2 DL	50	2675770000
APGTB 1.5 2T 4C/2 DL BL	50	2675780000
APGTB 1.5 2T FT-PE 4C/2 DL	50	2675790000
APGTB 1.5 2T VL 4C/2 DL	50	2675810000
APGTB 1.5 2T PE 4C/2 DL	50	2675800000
APGTB 2.5 2T 4C/2 DL	50	2675910000
APGTB 2.5 2T 4C/2 DL BL	50	2675920000
APGTB 2.5 2T FT-PE 4C/2 DL	50	2675930000
APGTB 2.5 2T VL 4C/2 DL	50	2675950000
APGTB 2.5 2T PE 4C/2 DL	50	2675940000
APGTB 4 2T 4C/2 DL	50	2676050000
APGTB 4 2T 4C/2 DL BL	50	2676060000
APGTB 4 2T FT-PE 4C/2 DL	50	2676070000
APGTB 4 2T VL 4C/2 DL	50	2676090000
APGTB 4 2T PE 4C/2 DL	50	2676080000
Available on request		

Disconnect and fuse

Type	Qty.	Order No.
ADT 2.5 2C DL	50	2675210000
ADT 2.5 2C DL BL	50	2675220000
ADT 2.5 4C DL	50	2675230000
ADT 4 2C DL	50	2675240000
AFS 4 2C DL BK	50	2675250000
AFS 4 2C 10-36V DL BK	50	2675260000
AFS 4 2C 100-250V DL BK	50	2675290000
AFS 4 2C 30-70V DL BK	50	2675270000
AFS 4 2C 60-150V DL BK	50	2675280000
Available on request		

Signal wiring

Type	Qty.	Order No.
AIO21 1.5 SI DL	100	2675580000
AIO21 1.5 SI DL OR	100	2675630000
AIO21 1.5 SO DL	100	2675590000
AIO21 1.5 SO DL OR	100	2675640000
AIO21 1.5 SO-PE DL	100	2675600000
AIO21 1.5 SO-PE DL OR	100	2675650000
AIO22 1.5 SI-PE DL	100	2675610000
AIO22 1.5 SI-PE DL OR	100	2675660000
AIO23 1.5 2SI DL	100	2675620000
AIO23 1.5 2SI DL OR	100	2675670000
Available on request		

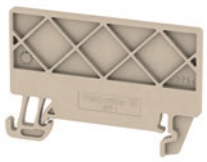
Control voltage distribution

Type	Qty.	Order No.
AAP11 6 LO DL RD	20	2675300000
AAP11 6 LO DL BL	20	2675320000
AAP11 6 LO DL OR	20	2675310000
AAP11 6 LO DL BL/OR	20	2675330000
AAP11 6/1.5 LO-LI DL RD	20	2675390000
AAP11 6/1.5 LO-LI DL BL	20	2675380000
AAP11 6/1.5 LO-LI DL OR	20	2675400000
AAP11 6/1.5 LO-LI DL BL/OR	20	2675410000
AAP11 1.5 LI DL RD	50	2675340000
AAP11 1.5 LI DL BL	50	2675360000
AAP11 1.5 LI DL OR	50	2675350000
AAP11 1.5 LI DL BL/OR	50	2675370000
AAP12 10 LO DL RD	20	2675420000
AAP12 10 LO DL BL	20	2675440000
AAP12 10 LO DL OR	20	2675430000
AAP12 10 LO DL BL/OR	20	2675450000
AAP12 10/2.5 LO-LI DL RD	20	2675500000
AAP12 10/2.5 LO-LI DL BL	20	2675530000
AAP12 10/2.5 LO-LI DL OR	20	2675510000
AAP12 10/2.5 LO-LI DL BL/OR	20	2675520000
AAP12 2.5 LI DL RD	50	2675460000
AAP12 2.5 LI DL BL	50	2675490000
AAP12 2.5 LI DL OR	50	2675470000
AAP12 2.5 LI DL BL/OR	50	2675480000
AAP13 6 LO-LO DL	20	2675540000
AAP13 1.5 LI-LI DL	50	2675550000
AAP14 10 LO-LO DL	20	2675560000
AAP14 2.5 LI-LI DL	50	2675570000
Available on request		



Integrated partition plate

APP1



Dimensions		
Width / Height / Depth	mm	2.5 / 52.67 / 36.15
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data		
Typ	VPE	Order No.
APP 1	50	2488970000
dark beige		
matching terminals		
A2C 1.5		1552790000
A2C 1.5 PE		1552680000
APGTB 1.5 FT 2C/1		2482160000
APGTB 1.5 PE 2C/1		2482220000
A2C 2.5		1521850000
A2C 2.5 PE		1521680000
APGTB 2.5 FT 2C/1		1513970000
APGTB 2.5 PE 2C/1		1513870000

Note

APP2



Dimensions		
Width / Height / Depth	mm	2.5 / 75.51 / 45.15
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data		
Type	Qty.	Order No.
APP 2	50	2489090000
matching terminals		
A3C 1.5		1552740000
A3C 1.5 PE		1552670000
A4C 1.5		1552690000
A4C 1.5 PE		1552660000
APGTB 1.5 FT 3C/1		2482180000
APGTB 1.5 PE 3C/1		2482230000
ADT 2.5 2C		1989800000
A2C 2.5 /DT/FS		1989900000
A2C 2.5 PE /DT/FS		1989890000
A3C 2.5		1521740000
A3C 2.5 PE		1521670000
A4C 2.5		1521690000
A4C 2.5 PE		1521540000
APGTB 2.5 FT 3C/1		1514000000
APGTB 2.5 PE 3C/1		1513890000
AFS 2.5 CF 2C BK		2466530000
AFS 2.5 CF 2C 12V BK		2466610000
AFS 2.5 CF 2C 24V BK		2466600000
A2C 4		2051180000
A2C 4 PE		2051360000
A3C 4		2051240000
A3C 4 PE		2051410000
A4C 4		2051500000
A4C 4 PE		2051560000
ADT 4 2C		2429850000
AFS 4 2C BK		2429860000
A2C 6		1992110000
A2C 6 PE		1991810000

APP3



Dimensions		
Width / Height / Depth	mm	2.5 / 104.2 / 45.15
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data		
Type	Qty.	Order No.
APP 3	50	2489100000
matching terminals		
APGTB 1.5 FT 4C/2		2482200000
APGTB 1.5 PE 4C/2		2482240000
APGTB 2.5 FT 4C/2		1514030000
APGTB 2.5 PE 4C/2		1513920000
ADT 2.5 3C		1989830000
ADT 2.5 4C		1989860000
A3C 6		1991820000
A3C 6 PE		1991850000
AAP11 ...		
AAP13 ...		
AIO21 1.5 SI		1992260000
AIO21 1.5 SO		1992240000
AIO21 1.5 SO-PE		1992250000
AIO22 1.5 SI-PE		1992230000

Note

Integrated partition plate

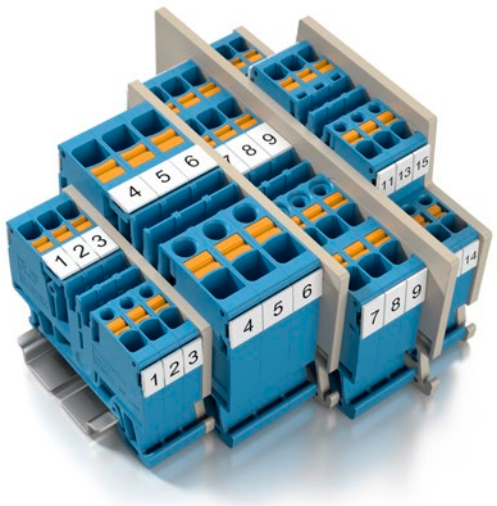
APP4



Dimensions		
Width / Height / Depth	mm	2.5 / 89.15 / 54.85
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data		
Type	Qty.	Order No.
APP 4	50	2489110000
matching terminals		
APGTB 1.5 2T 4C/2		2485840000
APGTB 1.5 2T PE 4C/2		2485870000
A2T 1.5		2469370000
A2T 1.5 PE		2469410000
A2T 2.5		1547610000
A2T 2.5 PE		1547680000
APGTB 2.5 2T 4C/2		1548060000
APGTB 2.5 2T PE 4C/2		1548160000

Note



Pluggable Cross-Connection ZQV



Weidmüller offers plug-in and screwed cross-connection systems for screw-connection terminal blocks. The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions. This also ensures that all poles always contact reliably.

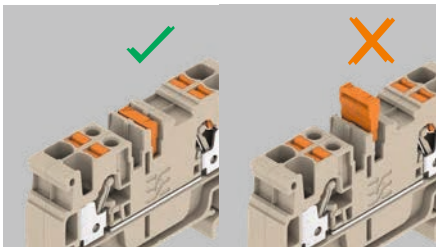
Fitting and changing crossconnections

The fitting and changing of cross-connections is a trouble-free and fast operation:

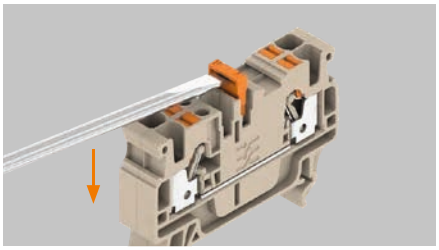
- Insert the cross-connection into the crossconnection channel in the terminal...



... and press it fully home.
(The cross-connection may not project from the channel.)

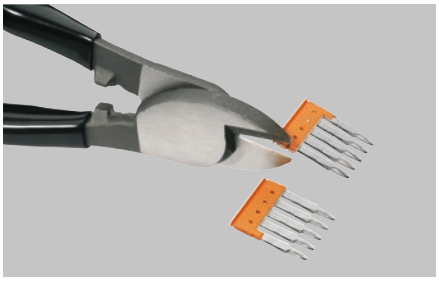


- Remove a cross-connection by simply prising it out with a screwdriver.



Shortening cross-connections

Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000).
However, three contact elements must always be retained.

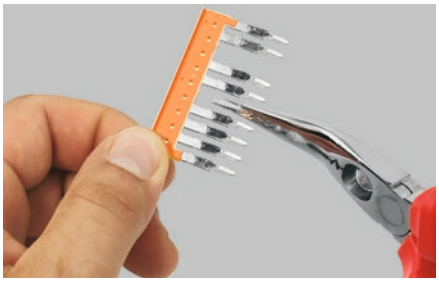


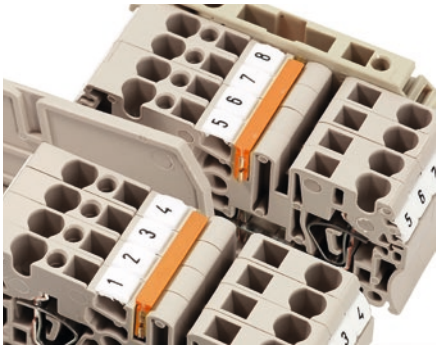
Breaking out contact elements

If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.

Caution:
Contact elements must not be deformed!

Note: By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.

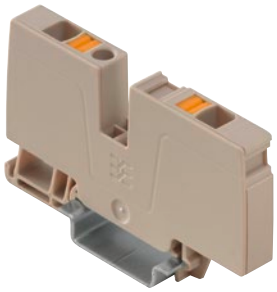




ALO 6 and ALO 16 supply terminals

The ALO 6 and ALO 16 supply terminals can be fed by wires of cross-section 6 or 16 mm². Over standard cross-connections the potential is distributed over any number of terminals blocks of smaller cross-section. Some variants for potential distribution during feed-in are indicated in the table below, including the cross-connection which can be used and the maximum current allowed.

Integrated into separation plate



Output options and cross-connectors to use

Supply terminal	Output terminal	Cross-connection	Feed-in left	Feed-in right
ALO 6	A2C 1.5	ZQV 1.5N	•	•
	A3C 1.5	ZQV 1.5N	•	•
	A4C 1.5	ZQV 1.5N	•	•
	A2C 2.5	ZQV 2.5N	•	•
	A3C 2.5	ZQV 2.5N	•	•
	A4C 2.5	ZQV 2.5N	•	•

Maximum current flow Imax only with ALO 6

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	6 mm²	41 A	41 A
A3C 1.5	ZQV 1.5N	6 mm²	41 A	41 A
A4C 1.5	ZQV 1.5N	6 mm²	41 A	41 A
A2C 2.5	ZQV 2.5N	6 mm²	41 A	41 A
A3C 2.5	ZQV 2.5N	6 mm²	41 A	41 A
A4C 2.5	ZQV 2.5N	6 mm²	41 A	41 A

Output options and cross-connectors to use

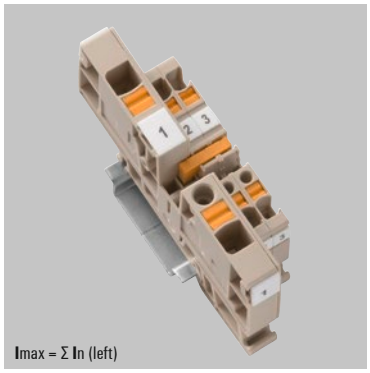
Supply terminal	Output terminal	Cross-connection	Feed-in left	Feed-in right
ALO 16	A2C 1.5	ZQV 1.5N	•	•
	A3C 1.5	ZQV 1.5N	•	•
	A4C 1.5	ZQV 1.5N	•	•
	A2C 2.5	ZQV 2.5N	•	•
	A3C 2.5	ZQV 2.5N	•	•
	A4C 2.5	ZQV 2.5N	•	•
	A2C 4	ZQV 4N	•	•
	A3C 4	ZQV 4N	•	•
	A4C 4	ZQV 4N	•	•
	A2C 6	ZQV 6N	•	•
	A3C 6	ZQV 6N	•	•

Maximum current flow Imax only with ALO 16

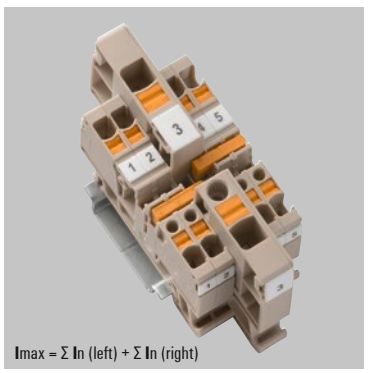
Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	16 mm²	48 A	72 A
A3C 1.5	ZQV 1.5N	16 mm²	48 A	72 A
A4C 1.5	ZQV 1.5N	16 mm²	48 A	72 A
A2C 2.5	ZQV 2.5N	16 mm²	68 A	76 A
A3C 2.5	ZQV 2.5N	16 mm²	68 A	76 A
A4C 2.5	ZQV 2.5N	16 mm²	68 A	76 A
A2C 4	ZQV 4N	16 mm²	76 A	76 A
A3C 4	ZQV 4N	16 mm²	76 A	76 A
A4C 4	ZQV 4N	16 mm²	76 A	76 A
A2C 6	ZQV 6N	16 mm²	76 A	76 A
A3C 6	ZQV 6N	16 mm²	76 A	76 A

Maximum current flow Imax only with ALO 16

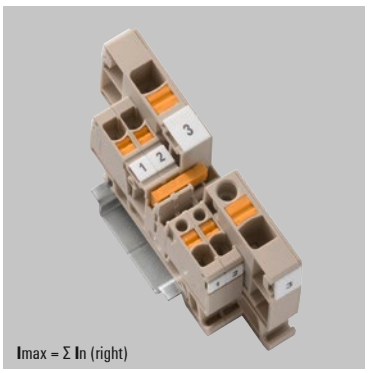
Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	10 mm²	48 A	72 A
A3C 1.5	ZQV 1.5N	10 mm²	48 A	72 A
A4C 1.5	ZQV 1.5N	10 mm²	48 A	72 A
A2C 2.5	ZQV 2.5N	10 mm²	68 A	76 A
A3C 2.5	ZQV 2.5N	10 mm²	68 A	76 A
A4C 2.5	ZQV 2.5N	10 mm²	68 A	76 A
A2C 4	ZQV 4N	10 mm²	76 A	76 A
A3C 4	ZQV 4N	10 mm²	76 A	76 A
A4C 4	ZQV 4N	10 mm²	76 A	76 A
A2C 6	ZQV 6N	10 mm²	76 A	76 A
A3C 6	ZQV 6N	10 mm²	76 A	76 A



Imax = Σ In (left)



Imax = Σ In (left) + Σ In (right)

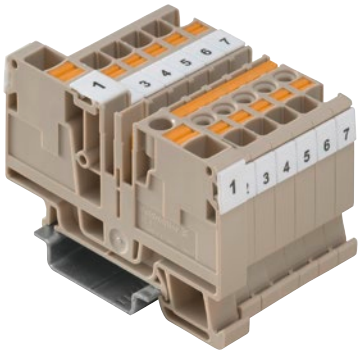


Imax = Σ In (right)

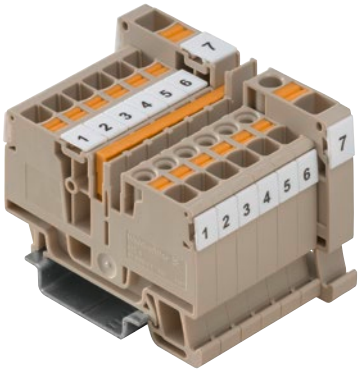
Supply with standard terminals

According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 meters away from the supply side and need not be positioned at the beginning of the supply side.
The conductor before the output fuse must be routed to make it “short-circuit proof”.

Supply on the left



Supply on the right



Supply options and corresponding cross-connections

left

Supply terminals → / Output terminals ↓			2.5 mm²					4 mm²					6 mm²	
			A2C	A3C	A4C	ADT 2C	AFS 2C CF	A2C	A3C	A4C	ADT 2C	AFS 2C	A2C	A3C
right														
1.5 mm²	A2C	ZQV 1.5N	•											
	A3C		•	•										
	A4C		•	•	•	•	•							
2.5 mm²	A2C	ZQV 2.5N						•						
	A3C							•	•					
	A4C							•	•	•	•	•		
	ADT 2C							•	•	•	•	•		
	AFS 2C CF							•	•	•	•	•		
4 mm²	A2C	ZQV 4N											•	•
	A3C												•	
	A4C												•	
	ADT 2C												•	
	AFS 2C												•	

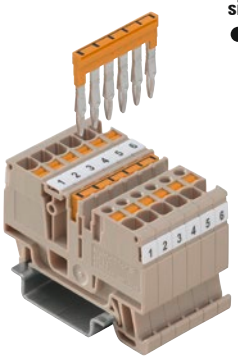
right

Supply terminals → / Output terminals ↓			2.5 mm²					4 mm²					6 mm²	
			A2C	A3C	A4C	ADT 2C	AFS 2C CF	A2C	A3C	A4C	ADT 2C	AFS 2C	A2C	A3C
left														
1.5 mm²	A2C	ZQV 1.5N	•	•	•	•	•							
	A3C			•	•	•	•							
	A4C				•									
2.5 mm²	A2C	ZQV 2.5N						•	•	•	•	•		
	A3C								•	•	•	•		
	A4C									•				
	ADT 2C													
	AFS 2C CF													
4 mm²	A2C	ZQV 4N											•	•
	A3C													
	A4C													
	ADT 2C													
	AFS 2C													

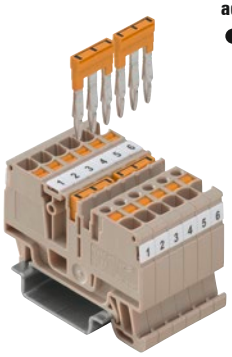
Possible combinations

In one cross-connection channel

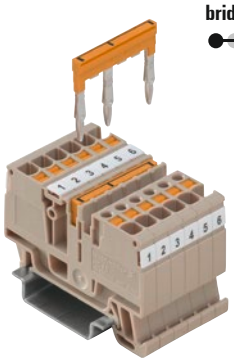
single



adjacent

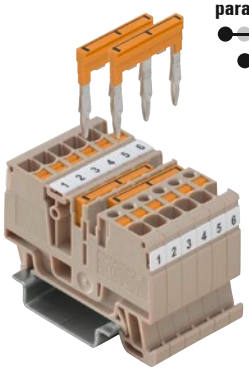


bridging

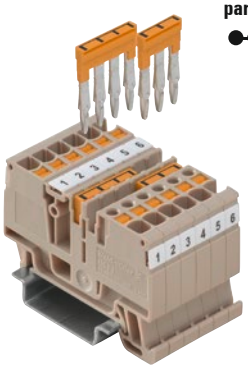


In two cross-connection channels

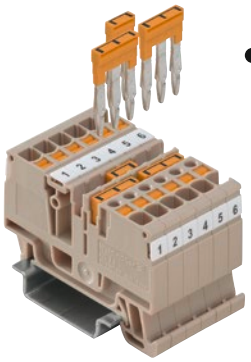
parallel/bridging



parallel/lengthening



chain bridge



Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type Standard terminals	Cross-section mm²	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
A ... C	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A2T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A2T PE	1.5	ZQV 1.5N/...	•	•	•			
A3T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A3T PE	1.5	ZQV 1.5N/...	•	•	•			
APGTB	1.5	ZQV 1.5N/...	•	•	•	•	•	•
APGTB 2T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
APGTB 2T PE	1.5	ZQV 1.5N/...	•	•	•			
A ... C	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A2T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A2T PE	2.5	ZQV 2.5N/...	•	•	•			
A3T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A3T PE	2.5	ZQV 2.5N/...	•	•	•			
ADT	2.5	ZQV 2.5N/...	•	•	•	•	•	•
AFS	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB 2T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB 2T PE	2.5	ZQV 2.5N/...	•	•	•			
A ... C	4	ZQV 4N/...	•	•	•	•	•	•
A2T	4	ZQV 4N/...	•	•	•	•	•	•
A2T PE	4	ZQV 4N/...	•	•	•			
ADT	4	ZQV 4N/...	•	•	•	•	•	•
AFS	4	ZQV 4N/...	•	•	•	•	•	•
APGTB	4	ZQV 4N/...	•	•	•	•	•	•
APGTB 2T	4	ZQV 4N/...	•	•	•	•	•	•
APGTB 2T PE	4	ZQV 4N/...	•	•	•			
A ... C	6	ZQV 6N/...	•	•	•	•	•	•
A ... C	10	ZQV 10N/...	•	•	•	•	•	•
A ... C	16	ZQV 16N/...	•	•	•	•	•	•

Cross-connections according to dimensions

ZQV 1.5N



Technical data			
Rated current	A	17.5	
Ordering data			
		Type	**Qty.**	**Order No.**
2-pole		ZQV 1.5N/2	60	**1985410000**
3-pole		ZQV 1.5N/3	60	**1985480000**
4-pole		ZQV 1.5N/4	60	**1985490000**
5-pole		ZQV 1.5N/5	20	**1985500000**
6-pole		ZQV 1.5N/6	20	**1985510000**
7-pole		ZQV 1.5N/7	20	**1985520000**
8-pole		ZQV 1.5N/8	20	**1985540000**
9-pole		ZQV 1.5N/9	20	**1985560000**
10-pole		ZQV 1.5N/10	20	**1985580000**
20-pole		ZQV 1.5N/20	20	**1985600000**
50-pole		ZQV 1.5N/50	5	**1985620000**
Note				

ZQV 2.5N



		24	
		Type	**Qty.**	**Order No.**
		ZQV 2.5N/2	60	**1527540000**
		ZQV 2.5N/3	60	**1527570000**
		ZQV 2.5N/4	60	**1527590000**
		ZQV 2.5N/5	20	**1527620000**
		ZQV 2.5N/6	20	**1527630000**
		ZQV 2.5N/7	20	**1527640000**
		ZQV 2.5N/8	20	**1527670000**
		ZQV 2.5N/9	20	**1527680000**
		ZQV 2.5N/10	20	**1527690000**
		ZQV 2.5N/20	20	**1527720000**
		ZQV 2.5N/50	5	**1527730000**

ZQV 4N



		32	
		Type	**Qty.**	**Order No.**
		ZQV 4N/2	60	**1527930000**
		ZQV 4N/3	60	**1527940000**
		ZQV 4N/4	60	**1527970000**
		ZQV 4N/5	60	**1527980000**
		ZQV 4N/6	20	**1527990000**
		ZQV 4N/7	20	**1528020000**
		ZQV 4N/8	20	**1528030000**
		ZQV 4N/9	20	**1528070000**
		ZQV 4N/10	20	**1528090000**
		ZQV 4N/50	5	**1528130000**



Technical data			
Rated current	A	17.5	
Ordering data			
		Type	**Qty.**	**Order No.**
2-pole		ZQV 1.5N/2 BL	60	**1985530000**
3-pole		ZQV 1.5N/3 BL	60	**1985550000**
4-pole		ZQV 1.5N/4 BL	60	**1985570000**
5-pole		ZQV 1.5N/5 BL	20	**1985590000**
6-pole		ZQV 1.5N/6 BL	20	**1985610000**
7-pole		ZQV 1.5N/7 BL	20	**1985630000**
8-pole		ZQV 1.5N/8 BL	20	**1985640000**
9-pole		ZQV 1.5N/9 BL	20	**1985660000**
10-pole		ZQV 1.5N/10 BL	20	**1985680000**
20-pole		ZQV 1.5N/20 BL	20	**1985700000**
50-pole		ZQV 1.5N/50 BL	5	**1985720000**
Note				



		24	
		Type	**Qty.**	**Order No.**
		ZQV 2.5N/2 BL	60	**1527740000**
		ZQV 2.5N/3 BL	60	**1527770000**
		ZQV 2.5N/4 BL	60	**1527780000**
		ZQV 2.5N/5 BL	20	**1527790000**
		ZQV 2.5N/6 BL	20	**1527820000**
		ZQV 2.5N/7 BL	20	**1527830000**
		ZQV 2.5N/8 BL	20	**1527840000**
		ZQV 2.5N/9 BL	20	**1527870000**
		ZQV 2.5N/10 BL	20	**1527880000**
		ZQV 2.5N/20 BL	20	**1527890000**
		ZQV 2.5N/50 BL	5	**1527920000**



		32	
		Type	**Qty.**	**Order No.**
		ZQV 4N/2 BL	60	**1528040000**
		ZQV 4N/3 BL	60	**1528080000**
		ZQV 4N/4 BL	60	**1528120000**
		ZQV 4N/5 BL	60	**1528140000**
		ZQV 4N/6 BL	20	**1528170000**
		ZQV 4N/7 BL	20	**1528180000**
		ZQV 4N/8 BL	20	**1528190000**
		ZQV 4N/9 BL	20	**1528220000**
		ZQV 4N/10 BL	20	**1528230000**
		ZQV 4N/50 BL	5	**1528240000**



Technical data			
Rated current	A	17.5	
Ordering data			
		Type	**Qty.**	**Order No.**
2-pole		ZQV 1.5N/2 RD	60	**1985650000**
3-pole		ZQV 1.5N/3 RD	60	**1985670000**
4-pole		ZQV 1.5N/4 RD	60	**1985690000**
5-pole		ZQV 1.5N/5 RD	20	**1985710000**
6-pole		ZQV 1.5N/6 RD	20	**1985730000**
7-pole		ZQV 1.5N/7 RD	20	**1985750000**
8-pole		ZQV 1.5N/8 RD	20	**1985770000**
9-pole		ZQV 1.5N/9 RD	20	**1985790000**
10-pole		ZQV 1.5N/10 RD	20	**1985800000**
20-pole		ZQV 1.5N/20 RD	20	**1985810000**
50-pole		ZQV 1.5N/50 RD	5	**1985820000**
Note				



		24	
		Type	**Qty.**	**Order No.**
		ZQV 2.5N/2 RD	60	**2108470000**
		ZQV 2.5N/3 RD	60	**2108690000**
		ZQV 2.5N/4 RD	60	**2108700000**
		ZQV 2.5N/5 RD	20	**2108710000**
		ZQV 2.5N/6 RD	20	**2108720000**
		ZQV 2.5N/7 RD	20	**2108810000**
		ZQV 2.5N/8 RD	20	**2108870000**
		ZQV 2.5N/9 RD	20	**2108900000**
		ZQV 2.5N/10 RD	20	**2108910000**
		ZQV 2.5N/20 RD	20	**2108920000**
		ZQV 2.5N/50 RD	5	**2109000000**



		32	
		Type	**Qty.**	**Order No.**
		ZQV 4N/2 RD	60	**2460450000**
		ZQV 4N/3 RD	60	**2460810000**
		ZQV 4N/4 RD	60	**2460800000**
		ZQV 4N/5 RD	60	**2460790000**
		ZQV 4N/6 RD	20	**2460780000**
		ZQV 4N/7 RD	20	**2460770000**
		ZQV 4N/8 RD	20	**2460760000**
		ZQV 4N/9 RD	20	**2460750000**
		ZQV 4N/10 RD	20	**2460740000**

ZQV 6N



41

Type	Qty.	Order No.
ZQV 6N/2	60	1985740000
ZQV 6N/3	60	1985760000
ZQV 6N/4	60	1985780000
ZQV 6N/6	20	2733950000
ZQV 6N/7	20	2733960000
ZQV 6N/10	20	2733970000



41

Type	Qty.	Order No.
ZQV 6N/2 BL	60	1985830000
ZQV 6N/3 BL	60	1985840000
ZQV 6N/4 BL	60	1985850000

ZQV 10N/2



57

Type	Qty.	Order No.
ZQV 10N/2	25	2497250000

ZQV 16N/2



76

Type	Qty.	Order No.
ZQV 16N/2	25	2497290000

ZQV 35N/2



125

Type	Qty.	Order No.
ZQV 35N/2	10	2634950000

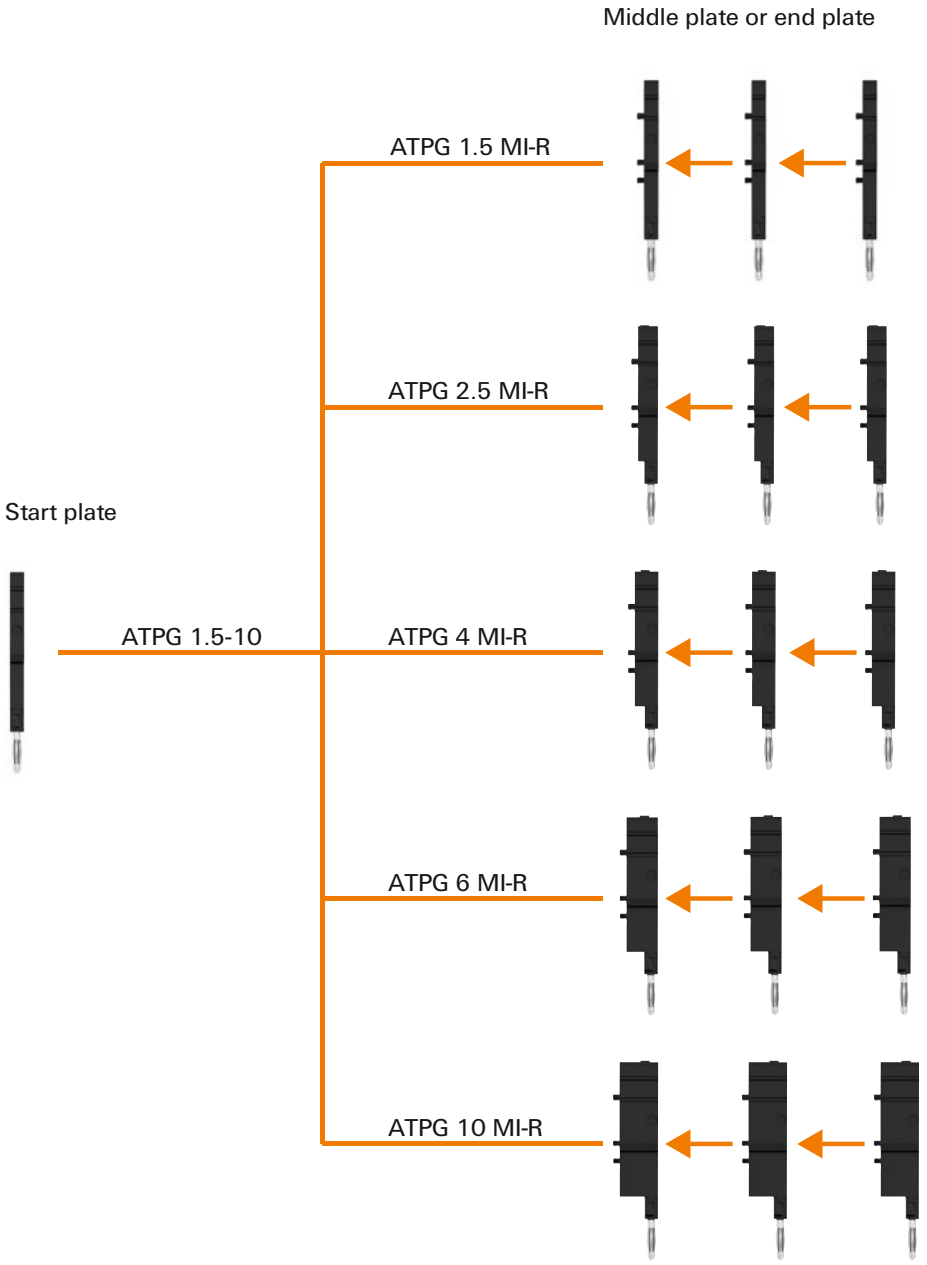
Reducing bridge

Type	Qty.	Order No.
ZQV 35N - 16	10	2562660000
ZQV 35N - 10	10	2562670000

Test adapters for self-assembly:
The test adapters offer a flexible solution for every task – they can be connected by threading them together in accordance with the application to be fulfilled.

Note:
The start plate can only be combined with one size of expansion plate.

Structure of the test adapter system



Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

		ATPG 1.5-10	ATPG 1.5 MI-R	ATPG 2.5 MI-R
		Start plate	**Middle plate or end plate**	**Middle plate or end plate**
				
Dimensions				
Width / Length / Height	mm	3.5 / / 18.5	3.5 / / 18.5	5.1 / / 18.5
Stripping length	mm	6	6	6
Rated data				
Rated voltage	V			
Rated current	A	0.2	0.2	0.2
for wire cross-section	mm²	1.5	1.5	1.5
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²	0.5…1.5	0.5…1.5	0.5…1.5
Flexible / Flexible with ferrule	mm²	0.5…1.5 / 0.5…1	0.5…1.5 / 0.5…1	0.5…1.5 / 0.5…1
Ordering data		**Type / Qty. / Order No.**	**Type / Qty. / Order No.**	**Type / Qty. / Order No.**
	1-pole	ATPG 1.5-10 L / 50 / **1991890000**	ATPG 1.5 MI-R / 50 / **1991880000**	ATPG 2.5 MI-R / 50 / **1991960000**
	3-pole			ATPG 2.5/3 / 25 / **2041190000**
	5-pole			ATPG 2.5/5 / 25 / **2041180000**
Note		The height is dependent on the terminal type	The height is dependent on the terminal type	The height is dependent on the terminal type

Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

		ATPG 4 MI-R-10	ATPG 6 MI-R	ATPG 10 MI-R
		Middle plate or end plate	**Middle plate or end plate**	**Middle plate or end plate**
				
Dimensions				
Width / Length / Height	mm	6.1 / / 18.5	7.9 / / 18.5	9.9 / / 18.5
Stripping length	mm	6	6	6
Rated data				
Rated voltage	V			
Rated current	A	0.2	0.2	0.2
for wire cross-section	mm²	1.5	1.5	1.5
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²	0.5…1.5	0.5…1.5	0.5…1.5
Flexible / Flexible with ferrule	mm²	0.5…1.5 / 0.5…1	0.5…1.5 / 0.5…1	0.5…1.5 / 0.5…1
Ordering data		**Type / Qty. / Order No.**	**Type / Qty. / Order No.**	**Type / Qty. / Order No.**
	1-pole	ATPG 4 MI-R / 50 / **1991860000**	ATPG 6 MI-R / 50 / **1991930000**	ATPG 10 MI-R / 50 / **1991870000**
	3-pole			
	5-pole			
Note		The height is dependent on the terminal type	The height is dependent on the terminal type	The height is dependent on the terminal type



AAM 1.5 YE FLASH



Dimensions		
Width / Height / Depth	mm	2,5 / 52,67 / 36,15
Continuous operating temp., min.		-40 °C
Continuous operating temp., max.		100 °C
Material		polyamide
UL 94 flammability rating		V-2
Ordering data		
	yellow	
Note		

Type	Qty.	Order No.
AAM 1.5 YE FLASH	40	**2635520000**

AAM 2.5 YE FLASH



Dimensions		
Width / Height / Depth	mm	2,5 / 75,51 / 45,15
Continuous operating temp., min.		-40 °C
Continuous operating temp., max.		100 °C
Material		polyamide
UL 94 flammability rating		V-2
Ordering data		
	yellow	
Note		

Type	Qty.	Order No.
AAM 2.5 YE FLASH	40	**2635550000**

AAM 4 YE FLASH



Dimensions		
Width / Height / Depth	mm	2,5 / 52,67 / 36,15
Continuous operating temp., min.		-40 °C
Continuous operating temp., max.		100 °C
Material		polyamide
UL 94 flammability rating		V-2
Ordering data		
	yellow	
Note		

Type	Qty.	Order No.
AAM 4 YE FLASH	40	**2635560000**

AAM 6 YE FLASH



Dimensions		
Width / Height / Depth	mm	2,5 / 75,51 / 45,15
Continuous operating temp., min.		-40 °C
Continuous operating temp., max.		100 °C
Material		polyamide
UL 94 flammability rating		V-2
Ordering data		
	yellow	
Note		

Type	Qty.	Order No.
AAM 6 YE FASH	40	**2635570000**

AAM 10 YE FLASH



Dimensions		
Width / Height / Depth	mm	2,5 / 52,67 / 36,15
Continuous operating temp., min.		-40 °C
Continuous operating temp., max.		100 °C
Material		polyamide
UL 94 flammability rating		V-2
Ordering data		
	yellow	
Note		

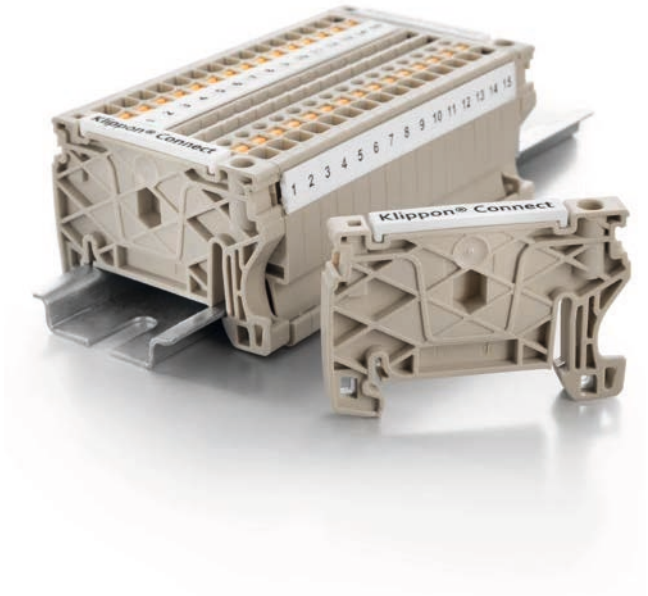
Type	Qty.	Order No.
AAM 10 YE FLASH	40	**2635580000**

AAM 16 YE FLASH



Dimensions		
Width / Height / Depth	mm	2,5 / 75,51 / 45,15
Continuous operating temp., min.		-40 °C
Continuous operating temp., max.		100 °C
Material		polyamide
UL 94 flammability rating		V-2
Ordering data		
	yellow	
Note		

Type	Qty.	Order No.
AAM 16 YE FLASH	40	**2635590000**



End bracket

AEB 35 SCL/1 V0 ...



Dimensions		
Continuous operating temp., min.		-40 °C
Continuous operating temp., max.		100 °C
Material		polyamide
UL 94 flammability rating		V-0

Ordering data		Type	Qty.	Order No.
	dark beige	AEB 35 SCL/1 V0	50	2661280000
	light grey	AEB 35 SCL/1 V0 GY	50	2661290000
	black	AEB 35 SCL/1 V0 BK	50	2661300000
	dark beige	AEB 35 SCL/1 V0 DL	50	2570240000
	light grey	AEB 35 SCL/1 V0 GY DL	50	2570260000
	black	AEB 35 SCL/1 V0 BK DL	50	2570250000

Note	

SnapMark- Marker for multi-tier terminals

SNAPMARK 1



Dimensions		
width / height / depth	mm	3.5 / 6.2 / 4.8
Continuous operating temperature, min.		-40 °C
Continuous service temperature, max.		100 °C
Material		polyamide
Flammability class according to UL 94		V-2

Ordering data	Type	Qty.	Order No.
	SNAPMARK I	50	1805880000

Note	

SNAPMARK 1.5

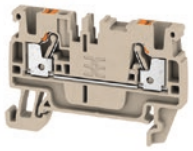
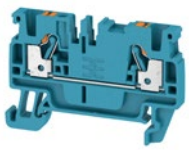
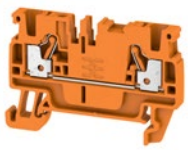
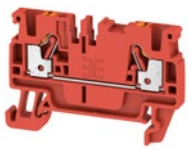


		5.1 / 8 / 5.8
		-40 °C
		100 °C
		polyamide
		V-2

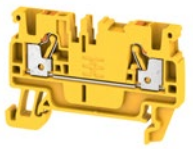
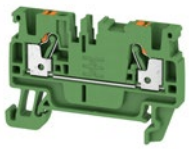
Type	Qty.	Order No.
SNAPMARK I.5	40	2682080000



Spring connection with PUSH IN technology (A-Series)
Overview

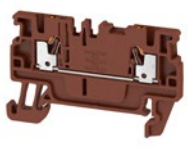
Type		Order No. beige	Order No. blue BL	Order No. orange OR	Order No. red RD
1.5 mm²	A2C	1552790000	1552820000	1552830000	2508020000
	A3C	1552740000	1552770000	1552780000	2534500000
	A4C	1552690000	1552700000	1552720000	2534430000
2.5 mm²	A2C	1521850000	1521880000	1521930000	1521900000
	A3C	1521740000	1521780000	1521830000	1521800000
	A4C	1521690000	1521700000	1521720000	1521710000
4 mm²	A2C	2051180000	2051210000	2051230000	2051220000
	A3C	2051240000	2051280000	2051320000	2051300000
	A4C	2051500000	2051520000	2051540000	2051530000
6 mm²	A2C	1992110000	1991790000	1991800000	-
	A3C	1991820000	1991830000	1991840000	-



Type		Order No. yellow YL	Order No. green GN	Order No. white WT	Order No. black BK
1.5 mm²	A2C	2508190000	2508210000	2508160000	2508170000
	A3C	2534520000	2534480000	2534510000	2534230000
	A4C	2534450000	2534410000	2534440000	2534260000
2.5 mm²	A2C	1521940000	1521950000	1521970000	1521980000
	A3C	1521840000	1521870000	1521890000	1521920000
	A4C	1521730000	1521770000	1521790000	1521820000
4 mm²	A2C	2051250000	2051260000	2051290000	2051310000
	A3C	2051340000	2051350000	2051370000	2051400000
	A4C	2051550000	2051580000	2051610000	2051660000
6 mm²	A2C	-	-	-	-
	A3C	-	-	-	-





Type		Order No. light grey LTGY	Order No. dark blue DBL	Order No. brown BR
1.5 mm²	A2C	2508220000	2508180000	2508200000
	A3C	2534490000	2534540000	2534530000
	A4C	2534420000	2534470000	2534460000
2.5 mm²	A2C	2003110000	2508000000	2508030000
	A3C	2003120000	2534690000	2534750000
	A4C	2003130000	2534740000	2534730000
4 mm²	A2C	2051330000	2534380000	2534370000
	A3C	2051460000	2534360000	2534290000
	A4C	2051670000	2534400000	2534390000
6 mm²	A2C	-	-	-
	A3C	-	-	-



Flexible in wiring, vibration-resistant in operation

Klippon® Connect with proven tension clamp technology

Whether in machine construction, the automotive industry or railway and shipping: wherever there is a requirement for a particularly vibration-resistant contact, tension clamp technology proves extremely reliable. At the same time, our terminal blocks with proven tension clamp technology are perfect for compact yet manageable panel construction. The wide range with numerous additional functions and pluggable terminal blocks (WeiCoS), the wide clamping range and up to two cross-connection channels make the Z-Series perfectly adaptable to all requirements. Pluggable standard cross-connections enable flexible potential distribution.

Our promise

Klippon® Connect helps you reliably achieve a range of applications. Our terminal blocks with tension clamp technology are impressively compact and flexible. They contribute to highly efficient panel construction and improved productivity.

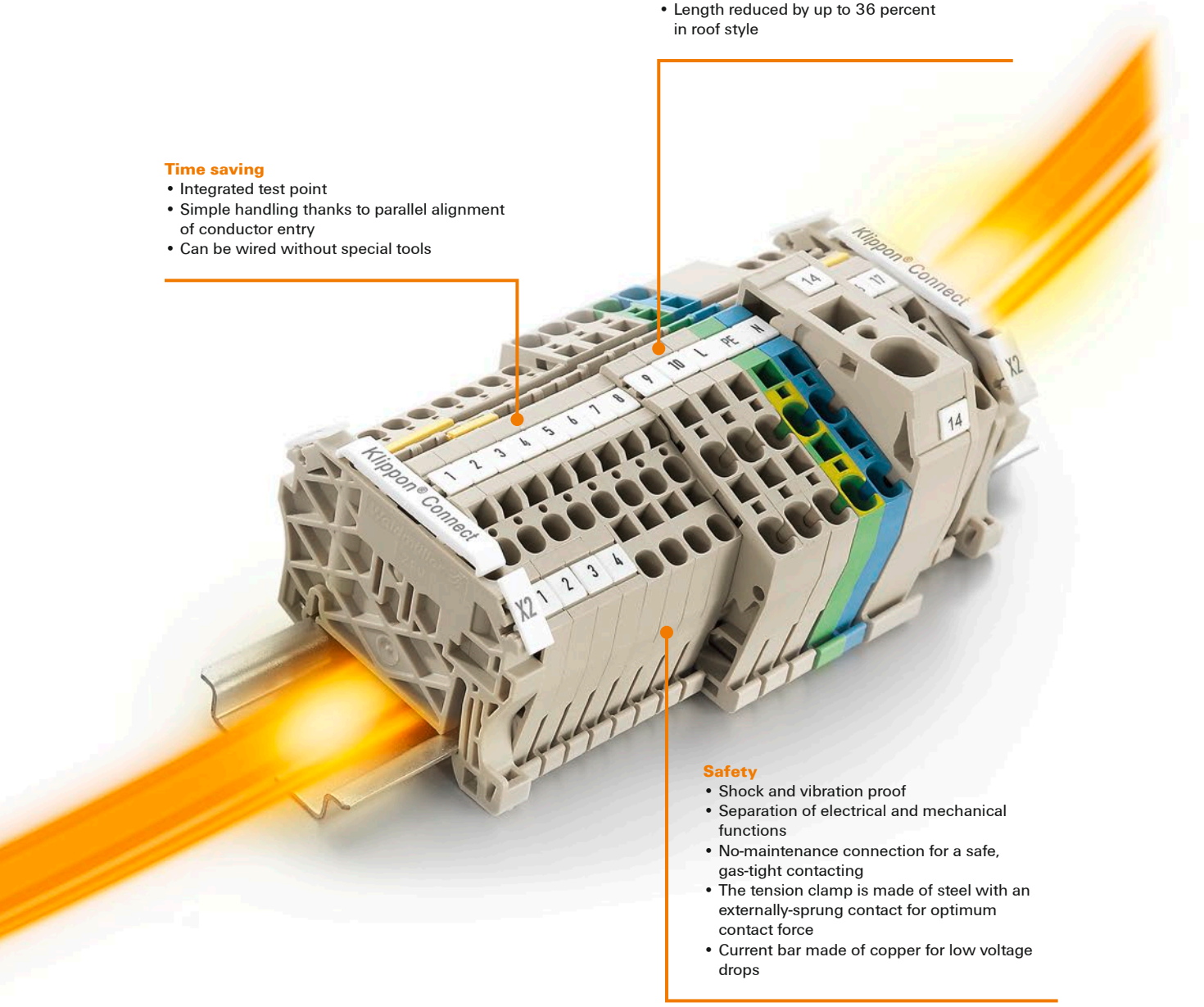


Flexibility

- Pluggable standard cross-connections for flexible potential distribution
- Secure interlocking of all plug-in connectors (WeiCoS)

Space saving
- Compact design
- Length reduced by up to 36 percent in roof style

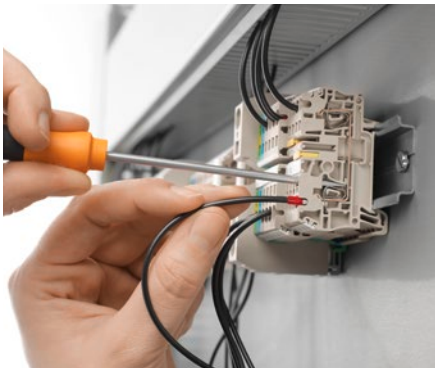
Time saving
- Integrated test point
- Simple handling thanks to parallel alignment of conductor entry
- Can be wired without special tools



Safety
- Shock and vibration proof
- Separation of electrical and mechanical functions
- No-maintenance connection for a safe, gas-tight contacting
- The tension clamp is made of steel with an externally-sprung contact for optimum contact force
- Current bar made of copper for low voltage drops

Overview

Exceptionally practical:
The Z-Series has an impressive, practical design and comes in two variants: standard and roof. Our standard models cover wire cross-sections from 0.05 to 35 mm². Terminal blocks for wire cross-sections from 0.13 to 16 mm² are available as roof variants. The striking shape of the roof style gives a reduction in length of up to 36 percent compared to standard terminal blocks.



Simple and clear:
Despite their compact width of just 5 mm (2 connections) or 10 mm (4 connections), our block terminals guarantee absolute clarity and ease of handling thanks to the top-entry conductor feeds. This means the wiring is clear even in terminal boxes with restricted space.

	ZDUB 2.5-2/2AN/RC	2.5 mm²	ZDUB 2.5-2/4AN/RC	2.5 mm²
	Two connections		Four connections	
				
Width/Height/Depth mm	5.1 x 33.5 x 29		10.2 x 33.5 x 29	
max. current / max. cond. cross-section A/mm²	30 / 4		30 / 4	
Max. clamping range mm²	0.13...4		0.13...4	

Technical data

IEC 60947-7-1			Ex eb II C Gb	II 2 G D
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage V	800	600	600	550
Rated current A	24	20	25	21
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				DEMKO16ATEX1808U
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note	Snap-on clip			

IEC 60947-7-1			Ex eb II C Gb	II 2 G D
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage V	800	600	600	550
Rated current A	24	20	25	21
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				DEMKO16ATEX1808U
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note	Snap-on clip			

Ordering data

Version	Type	Qty.	Order No.
Central terminals			
dark beige	ZDUB 2.5-2/2AN/RC	100	1712820000
Blue	ZDUB 2.5-2/2AN/RC BL	100	1712830000
yellow			
Note	Diameter of the snap-on clip mounting holes is 3.5 mm when the thickness of the plate is 0.6-961.2 mm.		

Type	Qty.	Order No.
ZDUB 2.5-2/4AN/RC	100	1712970000
ZDUB 2.5-2/4AN/RC BL	100	1712980000
ZDUB 2.5-2/4AN/RC GE	100	1713000000
Diameter of the snap-on clip mounting holes is 3.5 mm when the thickness of the plate is 0.6-961.2 mm.		

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQB 2.5-2	24 A	50	1677120000
End plate / Partition plate				
dark beige	ZAP ZDUB		50	1704750000
Blue	ZAP ZDUB BL		50	1704760000
orange	ZAP ZDUB OR		50	1704770000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
For detailed information on other accessories and application in the online catalogue	The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).			

Type		Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
SDIS SLIM 0.6X3.5X100		1	2749610000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).			

	ZDUB 2.5-2/2AN/DM	2.5 mm²	ZDUB 2.5-2/4AN/DM	2.5 mm²
	Two connections		Four connections	





Width/Height/Depth	mm	5.1 x 33.5 x 24
max. current / max. cond. cross-section	A/mm²	30 / 4
Max. clamping range	mm²	0.13...4

		10.2 x 33.5 x 24
		30 / 4
		0.13...4



Technical data

Rated data						
Rated voltage	V	IEC 60947-7-1	800	600	600	550
Rated current	A		24	20	25	21
for wire cross-section	mm²		2.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0			
Approvals			DEMKO16ATEX1808U			
Clamped conductors (H05V/H07V)						
Solid / Stranded	mm²	**Rated connection**				
Flexible / Flexible with ferrule	mm²		0.5...4			
Stripping length / Blade size	mm/-		0.5...2.5			
			10 / 0.6 x 3.5 mm			
Note			Direct mounting			

		IEC 60947-7-1	Ex eb II C Gb		II 2 G D	
			800	600	600	550
			24	20	25	21
			2.5	AWG 26...12	AWG 26...12	2.5 mm²
			8 kV / 3			
			A2 / V-0			
			DEMKO16ATEX1808U			
		Rated connection				
			0.5...4			
			0.5...2.5 / 0.5...1.5			
			10 / 0.6 x 3.5 mm			
			Direct mounting			

Ordering data

Version		Type	Qty.	Order No.
End terminals				
	dark beige	ZDUB 2.5-2/2AN/DB	100	**1704500000**
	Blue			
	yellow	ZDUB 2.5-2/2AN/DB GE	100	**1704530000**
Central terminals				
	dark beige	ZDUB 2.5-2/2AN/DM	100	**1704350000**
	Blue	ZDUB 2.5-2/2AN/DM BL	100	**1704360000**
	yellow	ZDUB 2.5-2/2AN/DM GE	100	**1704380000**
	orange	ZDUB 2.5-2/2AN/DM OR	100	**1704370000**
Note				

Type	Qty.	Order No.
ZDUB 2.5-2/4AN/DB	100	**1704690000**
ZDUB 2.5-2/4AN/DB BL	100	**1704700000**
ZDUB 2.5-2/4AN/DB GE	100	**1704720000**
ZDUB 2.5-2/4AN/DM	100	**1704540000**
ZDUB 2.5-2/4AN/DM BL	100	**1704550000**
ZDUB 2.5-2/4AN/DM GE	100	**1704570000**
ZDUB 2.5-2/4AN/DM OR	100	**1704560000**

Accessories

		Type		Qty.	Order No.
Plug-in cross-connection					
	2-pole	ZQB 2.5-2	24 A	50	**1677120000**
End plate / Partition plate					
	dark beige	ZAP ZDUB		50	**1704750000**
	Blue	ZAP ZDUB BL		50	**1704760000**
	orange	ZAP ZDUB OR		50	**1704770000**
Mounting blocks					
	dark beige	ZBB ZDUB		50	**1704740000**
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Mounting foot for TS15 & TS35					
	dark beige	MOFU 15/35 ZDUB		50	**1723660000**
Marking tags					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 10/5 MC NE WS		720	**1635000000**

Type		Qty.	Order No.
ZQB 2.5-2	24 A	50	**1677120000**
ZAP ZDUB		50	**1704750000**
ZAP ZDUB BL		50	**1704760000**
ZAP ZDUB OR		50	**1704770000**
ZBB ZDUB		50	**1704740000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
MOFU 15/35 ZDUB		50	**1723660000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

ZDUB 2.5-2/2AN/TS15 — 2.5 mm²

Two connections



ZDUB 2.5-2/4AN/TS15 — 2.5 mm²

Four connections



Width/Height/Depth	mm	5.1 x 33.5 x 31	10.2 x 33.5 x 31
max. current / max. cond. cross-section	A/mm²	**30 / 4**	**30 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**

Technical data

		ZDUB 2.5-2/2AN/TS15	ZDUB 2.5-2/4AN/TS15
Rated data			
Rated voltage	V	800	800
Rated current	A	24	24
for wire cross-section	mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity		8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0	A2 / V-0
Approvals		DEMKO16ATEX1808U	DEMKO16ATEX1808U
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		TS 15 - block construction	TS 15 - block construction

	ZDUB 2.5-2/2AN/TS15	ZDUB 2.5-2/4AN/TS15
IEC 60947-1	Ex eb II C Gb, II 2 G D	Ex eb II C Gb, II 2 G D
IEC	800	800
UL	600	600
CSA	600	600
EN 60079-7	550	550

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	ZDUB 2.5-2/2AN/15	100	**1712750000**	ZDUB 2.5-2/4AN/15	100	**1712780000**
Blue	ZDUB 2.5-2/2AN/15 BL	100	**1712760000**	ZDUB 2.5-2/4AN/15 BL	100	**1712790000**
Orange	ZDUB 2.5-2/2AN/15 OR	100	**1712770000**	ZDUB 2.5-2/4AN/15 OR	100	**1712800000**

Note

Accessories

Plug-in cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole	ZQB 2.5-2	24 A	50	**1677120000**	ZQB 2.5-2	24 A	50	**1677120000**
10-pole								
End plate / Partition plate								
dark beige	ZAP ZDUB		50	**1704750000**	ZAP ZDUB		50	**1704750000**
Blue	ZAP ZDUB BL		50	**1704760000**	ZAP ZDUB BL		50	**1704760000**
orange	ZAP ZDUB OR		50	**1704770000**	ZAP ZDUB OR		50	**1704770000**
End bracket								
beige	ZEW 15		20	**7920340000**	ZEW 15		20	**7920340000**
Screwdriver								
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**

For detailed information on other accessories and application in the online catalogue

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

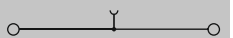
The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

ZDUA 2.5-2 — 2.5 mm²

Two connections



5.1 x 35 x 30
30 / 4
0.13...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	600	600	352
24	20	20	20
2.5	AWG 26...12	AWG 26...12	4 mm²
	6 kV / 3		
	A2 / V-0		
			DEMKO16ATEX1808U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

TS 15 - sliced construction

Type	Qty.	Order No.
ZDUA 2.5-2	100	**1720920000**
ZDUA 2.5-2 BL	100	**1720930000**
ZDUA 2.5-2 OR	100	**1720940000**

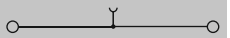
Type		Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
ZAP/TW ZDUA		50	**1720960000**
ZAP/TW ZDUA BL		50	**1720970000**
ZAP/TW ZDUA OR		50	**1720980000**
ZEW 15		20	**7920340000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**

ZDUA 2.5-2N — 2.5 mm²

Two connections



5.1 x 42.5 x 35
30 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
	8 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

TS 15 - sliced construction

Type	Qty.	Order No.
ZDUA 2.5-2N	100	**1808200000**

Type		Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
ZAP/TW ZDUA2.5-2N		50	**1808170000**
ZEW 15		20	**7920340000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**

Modular design

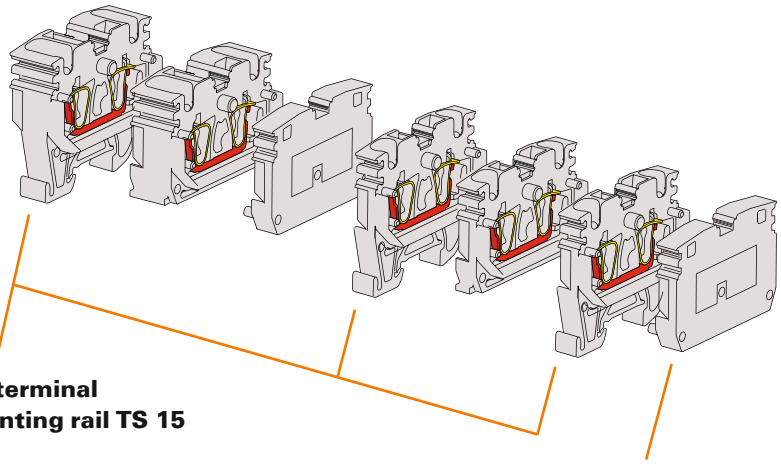
This mini-terminal family in tension clamp technology can be used to assemble individual blocks with 2- and 4-pole terminals.

An individual colour scheme for individual connection groups allows visual differentiation between different circuits.

With a structural width of only 5 mm (2 connections) or 10 mm (4 connections), the TOP connection system guarantees clearly organised wiring of circuits, even in terminal boxes with restricted space.

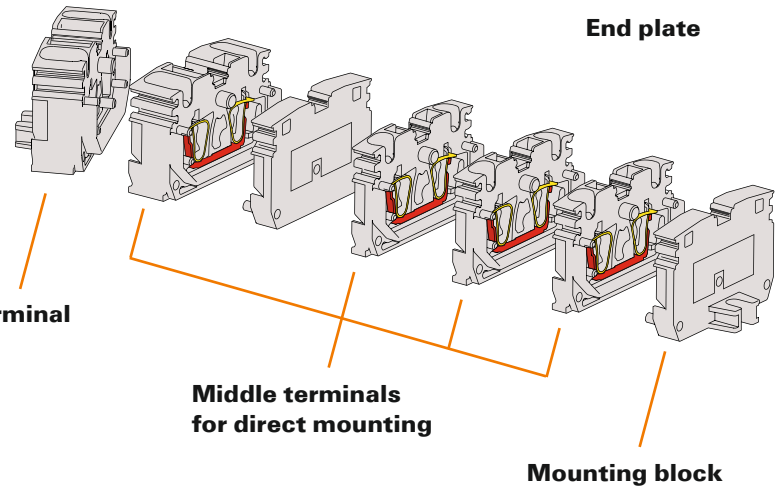
There are three different marking options for quick and clear identification of each terminal.

Made of Weidmüller's top quality WEMID insulation, all block terminals comply with requirements for a V0 flammability class to UL94.



Middle terminal for mounting rail TS 15

End plate



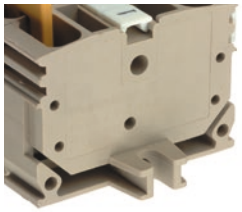
End terminal

Middle terminals for direct mounting

Mounting block

Individual blocks are put together from **middle terminals** and an end plate for the open side. Screw fastening involves the first middle terminal and the **end plate** being replaced by end terminals for fastening purposes. With the other fastening variations, **middle terminals with means of fastening** are integrated within the block or a **mounting foot (MOFU)** is used for fitting to the mounting rail.

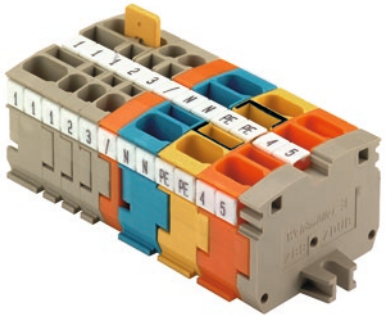
... with 4 different means of fastening



Direct mounting with screw fastening on mounting plate

The fastening terminals on the right and left of the terminal block are mounted using M3 screws. Central fastening is not possible in this case.

ZDUB 2.5-2 DM





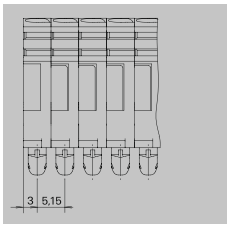
Clip-on fastening on mounting plates

The terminals are simply clipped onto mounting plates 0.6 – 1.2 mm thick with the clips in the 3.5 mm holes. The open side of the terminal is closed by an end plate.

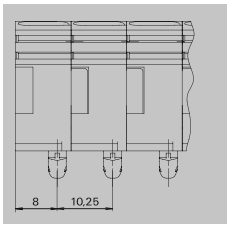
ZDUB 2.5-2 RC

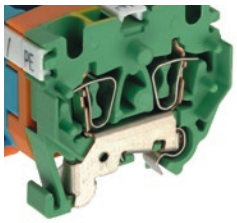


Drilling plan:
ZDUB/2.5-2/2AN



ZDUB 2.5-2/4AN

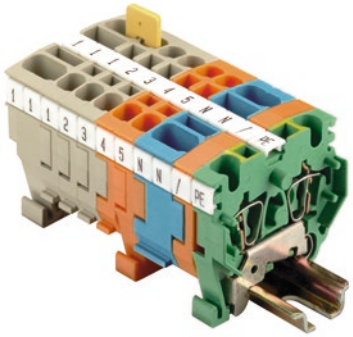


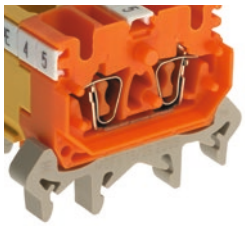


Fitting on mounting rail TS 15

For clipping on mounting rail TS 15. The open side of the terminal is closed by an end plate.

ZPEB 2.5-2 TS 15

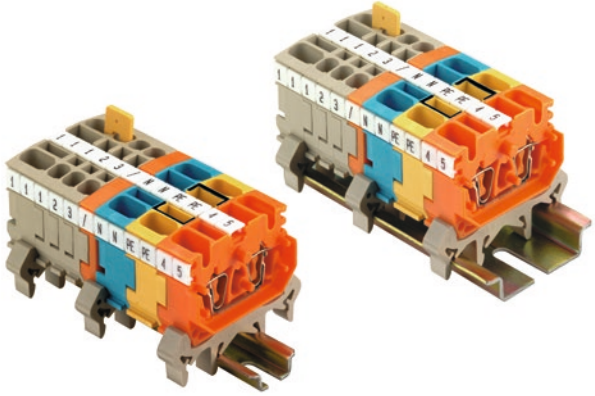


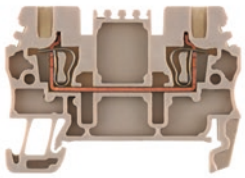
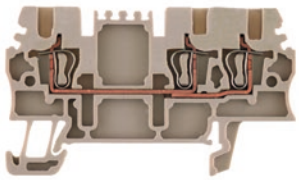


Mounting foot for mounting rail TS 15/35

The mounting foot can be used for clipping terminal blocks consisting only of middle terminals either to TS 15 or TS 35 mounting rails.

MOFU TS 15/35



	ZDU 1.5	ZDU 1.5/3 AN
	1.5 mm²	1.5 mm²
	Two connections	Three connections
		
Width/Height/Depth mm	3.5 x 51.5 x 36.5	3.5 x 63.5 x 36.5
max. current / max. cond. cross-section A/mm²	17.5 / 1.5	17.5 / 1.5
Max. clamping range mm²	0.05...1.5	0.05...1.5

Technical data

	ZDU 1.5	ZDU 1.5/3 AN
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex eb II C Gb, II 2 G D	Ex eb II C Gb, II 2 G D
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
500	300	300	550	500	300	300	550
17.5	15	20	15	17.5	15	20	15
1.5	AWG 26...14	AWG 26...14	1.5 mm²	1.5	AWG 26...14	AWG 26...14	1.5 mm²
	6 kV / 3				6 kV / 3		
	B1 / V-0				B1 / V-0		
			KEMA01ATEX2106U				KEMA01ATEX2106U

	ZDU 1.5	ZDU 1.5/3 AN
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Stripping length / Blade size mm/-	10 / 0.4 x 2.0 mm	10 / 0.4 x 2.0 mm
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	ZDU 1.5	100	1775480000	ZDU 1.5/3AN	100	1775530000
Blue	ZDU 1.5 BL	100	1775490000	ZDU 1.5/3AN BL	100	1775540000
Note						

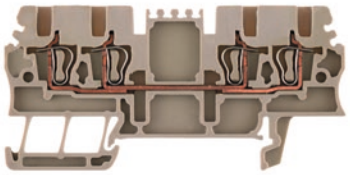
Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 1.5/2	17.5 A	60	1776120000	ZQV 1.5/2	17.5 A	60	1776120000
4-pole								
10-pole	ZQV 1.5/10	17.5 A	20	1776200000	ZQV 1.5/10	17.5 A	20	1776200000
End plate / Partition plate								
dark beige	ZAP/TW ZDU1.5/2AN		20	1776030000	ZAP/TW ZDU1.5/3AN		20	1776060000
Blue	ZAP/TW ZDU1.5/2AN BL		20	1776040000	ZAP/TW ZDU1.5/3AN BL		20	1776070000
End bracket								
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Test adapter								
Standard	ZTA 5	13.5 A	25	1776210000	ZTA 5	13.5 A	25	1776210000
With spigot	ZTA 5/ZA	13.5 A	25	1776220000	ZTA 5/ZA	13.5 A	25	1776220000
Screwdriver								
Standard	SDS 0.4X2.0X60		1	2749260000	SDS 0.4X2.0X60		1	2749260000
Reducing sleeves								
for conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1		500	1781950000	ZRH 1.5S/1		500	1781950000
for conductors < 1.0 mm² / AWG 18								
Cover								
With lightning flash symbol	ZAD 7/4		20	1781940000	ZAD 7/4		20	1781940000
Marking tags								
	DEK 5/3.5 MC NE WS		500	1755270000	DEK 5/3.5 MC NE WS		500	1755270000
	WS 12/3.5 MC NE WS		600	1778270000	WS 12/3.5 MC NE WS		600	1778270000
	DEK 5/3.5 MM WS		1000	2007100000	DEK 5/3.5 MM WS		1000	2007100000

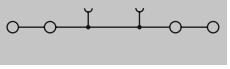
For detailed information on other accessories and application in the online catalogue

ZDU 1.5/4 AN — 1.5 mm²

Four connections



3.5 x 75.5 x 36.5
17.5 / 1.5
0.05...1.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	550
17.5	15	20	15
1.5	AWG 26...14	AWG 26...14	1.5 mm²
	6 kV / 3		
	B1 / V-0		

KEMA01ATEX2106U

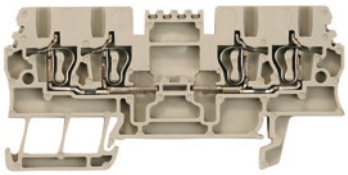
Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZDU 1.5/4AN	100	1775580000
ZDU 1.5/4AN BL	100	1775600000

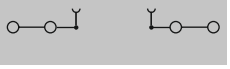
Type		Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/4AN		20	1776090000
ZAP/TW ZDU1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5	13.5 A	25	1776210000
ZTA 5/ZA	13.5 A	25	1776220000
SDS 0.4X2.0X60		1	2749260000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000

ZDU 1.5 2x2AN — 1.5 mm²

2 x 2 connections



3.5 x 75.5 x 36.5
17.5 / 1.5
0.05...1.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	B1 / V-0		

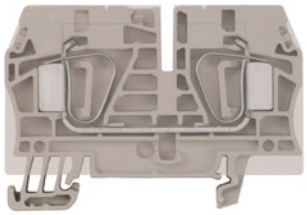
Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZDU 1.5/2X2AN	100	1826970000

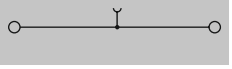
Type		Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/4AN		20	1776090000
ZAP/TW ZDU1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5	13.5 A	25	1776210000
ZTA 5/ZA	13.5 A	25	1776220000
SDS 0.4X2.0X60		1	2749260000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000

ZEI 6 — 6 mm²

Supply terminal



10 x 65 x 45
57 / 10
0.5...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	8 kV / 4		
	A5 / V-0		

Rated connection
0.5...10
0.5...10 / 0.5...6
13 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 6	20	1791190000

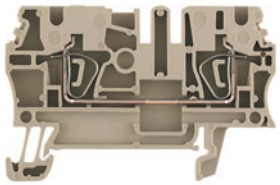
End plate is integrated.

Type		Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZEW 35		20	9540000000
ZTA 3 ZDU6	9 A	25	1654050000
SDIS SLIM 0.8X4.0X100		1	2749620000
ZAD 3/4		20	1609120000
DEK 8 FSZ 1-10		500	1289660001
WS 12/6 MC NE WS		600	1609900000

The plug-in cross-connections ZQV 1.5/... can be used.

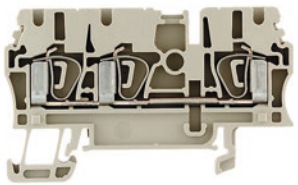
ZDU 2.5 — 2.5 mm²

Two connections

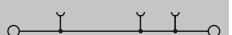


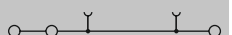
ZDU 2.5/3AN — 2.5 mm²

Three connections



		ZDU 2.5	ZDU 2.5/3AN
Width/Height/Depth	mm	5.1 x 59.5 x 38.5	5.1 x 64.5 x 38.5
max. current / max. cond. cross-section	A/mm²	30 / 4	31 / 4
Max. clamping range	mm²	0.05...4	0.05...4





Technical data

		ZDU 2.5			ZDU 2.5/3AN		
Rated data							
Rated voltage	V	IEC 60947-7-1			IEC 60947-7-1		
Rated current	A	Ex eb II C Gb		II 2 G D	Ex eb II C Gb		II 2 G D
for wire cross-section	mm²						
Rated impulse withstand voltage / Pollution severity		IEC	UL	CSA / EN 60079-7	IEC	UL	CSA / EN 60079-7
Gauge to IEC 60947-1 / UL 94 flammability rating		800	600	600 / 550	800	600	600 / 800
Approvals		24	25	27 / 22	24	25	27 / 24
		2.5	AWG 30...12	AWG 26...12 / 4 mm²	2.5	AWG 30...12	AWG 26...12 / 2.5 mm²
		8 kV / 3			8 kV / 3		
		A3 / V-0			A3 / V-0		
		DEMKO15ATEX1467U			71-101238_CB48336		
Clamped conductors (H05V/H07V)							
Solid / Stranded	mm²	0.5...4			0.5...4		
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			0.5...4 / 0.5...2.5		
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			10 / 0.6 x 3.5 mm		
Note							

Ordering data

Version		ZDU 2.5			ZDU 2.5/3AN		
dark beige		Type	Qty.	Order No.	Type	Qty.	Order No.
Blue		ZDU 2.5	100	1608510000	ZDU 2.5/3AN	100	1608540000
Note		ZDU 2.5 BL	100	1608520000	ZDU 2.5/3AN BL	100	1608550000
		Rated voltage is reduced to 400 V when using the cross-connector.			Rated voltage is reduced to 400 V when using the cross-connector.		

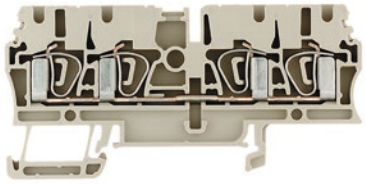
Accessories

		ZDU 2.5			ZDU 2.5/3AN		
Plug-in cross-connection		Type		Qty. / Order No.	Type		Qty. / Order No.
2-pole		ZQV 2.5/2	24 A	60 / 1608860000	ZQV 2.5/2	24 A	60 / 1608860000
4-pole							
10-pole		ZQV 2.5/10	24 A	20 / 1608940000	ZQV 2.5/10	24 A	20 / 1608940000
End plate / Partition plate							
dark beige		ZAP/TW 1		50 / 1608740000	ZAP/TW 2 DB		50 / 1608770000
Blue		ZAP/TW 1 BL		50 / 1608750000	ZAP/TW 2 BL		50 / 1608780000
End bracket							
dark beige		ZEW 35		20 / 9540000000	ZEW 35		20 / 9540000000
Test adapter							
Standard		ZTA 1	9 A	25 / 1609040000	ZTA 1	9 A	25 / 1609040000
With spigot		ZTA 1/ZA	9 A	25 / 1609050000	ZTA 1/ZA	9 A	25 / 1609050000
Screwdriver							
Standard		SDIS SLIM 0.6X3.5X100		1 / 2749610000	SDIS SLIM 0.6X3.5X100		1 / 2749610000
Reducing sleeves							
for conductors < 0.5 mm² / AWG 20		ZRH 2.5/1 WS		1000 / 1614300000	ZRH 2.5/1 WS		1000 / 1614300000
for conductors < 1.0 mm² / AWG 18		ZRH 2.5/2 GR/VO		1000 / 1614290000	ZRH 2.5/2 GR/VO		1000 / 1614290000
Cover							
With lightning flash symbol		ZAD 1/4		20 / 1609110000	ZAD 1/4		20 / 1609110000
Marking tags							
		DEK 5/5 MC NE WS		1000 / 1609801044	DEK 5/5 MC NE WS		1000 / 1609801044
		WS 10/5 MC NE WS		720 / 1635000000	WS 10/5 MC NE WS		720 / 1635000000
		DEK 5/5 MM WS		800 / 2007110000	DEK 5/5 MM WS		800 / 2007110000

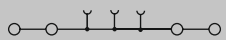
For detailed information on other accessories and application in the online catalogue

ZDU 2.5/4AN — 2.5 mm²

Four connections



5.1 x 79.5 x 38.5
27 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	22
2.5	AWG 30...12	AWG 26...12	4 mm²
	8 kV / 3		
	A3 / V-0		
			DEMKO15ATEX1467U

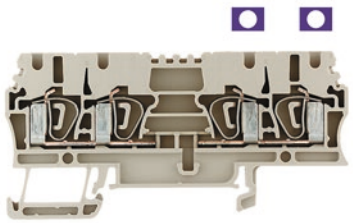
Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 2.5/4AN	100	1608570000
ZDU 2.5/4AN BL	100	1608580000

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1	9 A	25	1609040000
ZTA 1/ZA	9 A	25	1609050000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000

ZDU 2.5/2x2AN — 2.5 mm²

Two potentials feasible



5.1 x 79.5 x 38.5
30 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 26...12	AWG 26...12	4 mm²
	8 kV / 3		
	A3 / V-0		
			DEMKO15ATEX1567U

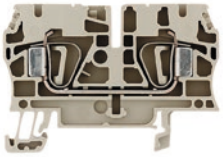
Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 2.5/2X2AN	100	1608600000
ZDU 2.5/2X2AN BL	100	1608610000

Type		Qty.	Order No.
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1	9 A	25	1609040000
ZTA 1/ZA	9 A	25	1609050000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

ZDU 4 — 4 mm²

Two connections



Width/Height/Depth	6.1 x 62 x 43
max. current / max. cond. cross-section	**41 / 6**
Max. clamping range	**0.13...6**

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	550
Rated current	32	33	35	28
for wire cross-section	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0		
Approvals				KEMA97ATEX2521U

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

Note

When using twin ferrules, the rated voltage is 690 V.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 4	100	**1632050000**
Blue	ZDU 4 BL	100	**1632060000**

Note

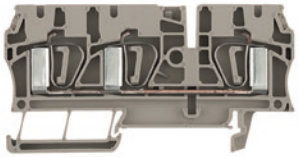
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
4-pole				
10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate				
dark beige	ZAP/TW 4		50	**1632090000**
Blue	ZAP/TW 4 BL		50	**1632100000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
Standard	ZTA 2 ZDU4	9 A	25	**1609060000**
With spigot	ZTA 2/ZA ZDU4	9 A	25	**1609070000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 4/1 WS		1000	**1636640000**
for conductors < 1.0 mm² / AWG 18				
Cover				
With lightning flash symbol	ZAD 2/4		20	**1609080000**
Marking tags				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 10/6 MC NE WS		600	**1828450000**
	DEK 5/6 MM WS		600	**2007120000**

For detailed information on other accessories and application in the online catalogue

ZDU 4/3 AN — 4 mm²

Three connections



Width/Height/Depth	6.1 x 83.5 x 43
max. current / max. cond. cross-section	**41 / 6**
Max. clamping range	**0.13...6**

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	550
Rated current	32	33	35	28
for wire cross-section	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0		
Approvals				KEMA00ATEX2107U

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

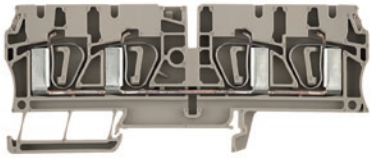
When using twin ferrules, the rated voltage is 690 V.

Type	Qty.	Order No.
ZDU 4/3AN	50	**7904180000**
ZDU 4/3AN BL	50	**7904190000**

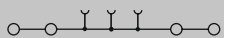
Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZQV 4/10 GE	32 A	20	**1609030000**
ZAP/TW 4/3AN		20	**7904100000**
ZAP/TW 4/3AN BL		20	**7904110000**
ZEW 35		20	**9540000000**
ZTA 2 ZDU4	9 A	25	**1609060000**
ZTA 2/ZA ZDU4	9 A	25	**1609070000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
ZRH 4/1 WS		1000	**1636640000**
ZAD 2/4		20	**1609080000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 MM WS		600	**2007120000**

ZDU 4/4 AN — 4 mm²

Four connections



6.1 x 104.5 x 43
41 / 6
0.13...6



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm²
8 kV / 3			
A4 / V-0			
KEMA00ATEX2107U			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

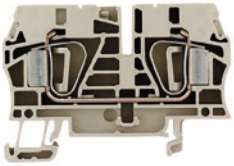
When using twin ferrules, the rated voltage is 690 V.

Type	Qty.	Order No.
ZDU 4/4AN	50	7904290000
ZDU 4/4AN BL	50	7904300000

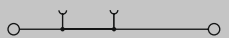
Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW4/4AN		20	7904210000
ZAP/TW4/4AN BL		20	7904220000
ZEW 35		20	9540000000
ZTA 2 ZDU4	9 A	25	1609060000
ZTA 2/ZA ZDU4	9 A	25	1609070000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000

ZDU 6 — 6 mm²

Two connections



8.1 x 65 x 45
57 / 10
0.22...10



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	39
6	AWG 22...8	AWG 20...8	10 mm²
8 kV / 3			
A5 / V-0			
DEMKO15ATEX1467U			

Rated connection
0.5...10
0.5...10 / 0.5...6
13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6	50	1608620000
ZDU 6 BL	50	1608630000

1000 V DC rated voltage tested.

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 5		50	1608830000
ZAP/TW 5 BL		50	1608840000
ZEW 35		20	9540000000
ZTA 3 ZDU6	9 A	25	1654050000
SDS 1.0X5.5X150		1	2749380000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 6/3 AN — 6 mm²

Three connections



8.1 x 90 x 45
57 / 10
0.22...10



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm²
8 kV / 3			
A5 / V-0			
KEMA00ATEX2107U			

Rated connection
0.5...10
0.5...6 / 0.5...6
13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

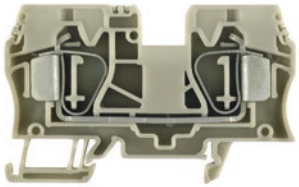
Type	Qty.	Order No.
ZDU 6/3AN	50	7907410000
ZDU 6/3AN BL	50	7907420000

1000 VDC rated voltage tested.

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW6/3AN		20	7907370000
ZAP/TW6/3AN BL		20	7907380000
ZEW 35		20	9540000000
ZTA 3 ZDU6	9 A	25	1654050000
SDS 1.0X5.5X150		1	2749380000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 10 — 10 mm²

Two connections



Width/Height/Depth	10 x 73.5 x 49.5 mm
max. current / max. cond. cross-section	72 / 16 A/mm²
Max. clamping range	1.31...16 mm²



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

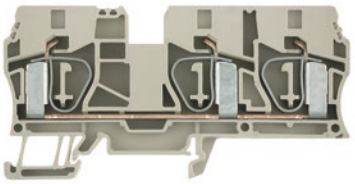
IEC	UL	CSA	EN 60079-7
1000	600	600	550
57	60	55	50
10	AWG 16...6	AWG 16...6	10 mm²
	8 kV / 3		
	A6 / V-0		
			KEMA99ATEX5514U

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5 mm

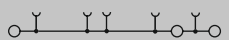
Cross-connection of ZDU 10 and ZDU 16 is possible using the ZQV 16-10.
Cross-connection of ZDU 10 and ZDU 35 is possible using the ZQV 35-10.

ZDU 10/3AN — 10 mm²

Three connections



Width/Height/Depth	10 x 99 x 49.5 mm
max. current / max. cond. cross-section	57 / 16 A/mm²
Max. clamping range	1.31...16 mm²



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
57	60	55	50
10	AWG 16...6	AWG 16...6	10 mm²
	8 kV / 3		
	A6 / V-0		
			KEMA00ATEX2107U

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5 mm

Cross-connection of ZDU 10 and ZDU 16 is possible using the ZQV 16-10.
Cross-connection of ZDU 10 and ZDU 35 is possible using the ZQV 35-10.

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	dark beige
	Blue

Note

Type	Qty.	Order No.
ZDU 10	25	1746750000
ZDU 10 BL	25	1746760000

1000 VDC rated voltage tested.

Type	Qty.	Order No.
ZDU 10/3AN	20	1767690000
ZDU 10/3AN BL	20	1767700000

1000 VDC rated voltage tested.

Accessories

Plug-in cross-connection			
	2-pole		
	4-pole		
End plate / Partition plate			
	dark beige		
	Blue		
End bracket			
	dark beige		
Testing / Checking			
	Test plug		
Screwdriver			
	Standard		
Cover			
	With lightning flash symbol		
Marking tags			

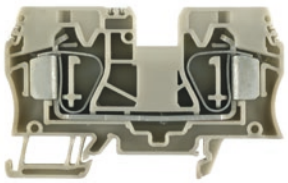
Type		Qty.	Order No.
ZQV 10/2	57 A	25	1739680000
ZAP/TW ZDU10		20	1748660000
ZAP/TW ZDU10 BL		20	1764110000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDS 1.0X5.5X150		1	2749380000
ZAD 4/5		20	1746730000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Type		Qty.	Order No.
ZQV 10/2	57 A	25	1739680000
ZAP/TW 10/16		20	1749580000
ZAP/TW 10/16 BL		20	1768520000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDS 1.0X5.5X150		1	2749380000
ZAD 4/5		20	1746730000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

For detailed information on other accessories and application in the online catalogue

ZDU 16 — 16 mm²

Two connections



12.1 x 82.5 x 50.5
98 / 25
1.5...25



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	65	65	66
16	AWG 14...4	AWG 14...4	16 mm²
8 kV / 3			
A7 / V-0			

KEMA99ATEX5514U

Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

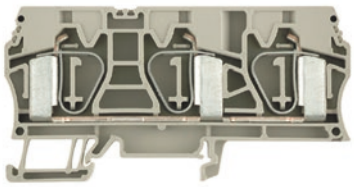
Cross-connection of ZDU 16 and ZDU 35 is possible using the ZQV 35-16.
Cross-connection of ZDU 10 and ZDU 16 is possible using the ZQV 16-10.

Type	Qty.	Order No.
ZDU 16	25	**1745230000**
ZDU 16 BL	25	**1745240000**
1000 VDC rated voltage tested.		

Type		Qty.	Order No.
ZQV 16/2	76 A	25	**1739690000**
ZAP/TW ZDU16		20	**1745150000**
ZAP/TW ZDU16 BL		20	**1764100000**
ZEW 35		20	**9540000000**
PS 2.3 RT		20	**0180400000**
SDS 1.0X5.5X150		1	**2749380000**
ZAD 5/5		20	**1745210000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 15/5 MC NE WS		480	**1609880000**

ZDU 16/3 AN — 16 mm²

Three connections



12.1 x 99 x 50.5
76 / 25
1.5...25



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	65	65	66
16	AWG 14...4	AWG 14...4	16 mm²
8 kV / 3			
A7 / V-0			

KEMA00ATEX2107U

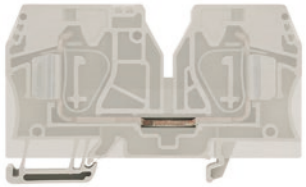
Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ZDU 16/3AN	20	**1768320000**
ZDU 16/3AN BL	20	**1768330000**
1000 VDC rated voltage tested.		

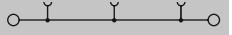
Type		Qty.	Order No.
ZQV 16/2	76 A	25	**1739690000**
ZAP/TW 10/16		20	**1749580000**
ZAP/TW 10/16 BL		20	**1768520000**
ZEW 35		20	**9540000000**
PS 2.3 RT		20	**0180400000**
SDS 1.0X5.5X150		1	**2749380000**
ZAD 5/5		20	**1745210000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 15/5 MC NE WS		480	**1609880000**

ZEI 16 — 16 mm²

Supply terminal



14.7 x 82.5 x 50.5
76 / 25
1.5...25



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
76	65	65	
16	AWG 14...4	AWG 14...4	
8 kV / 3			
A7 / V-0			

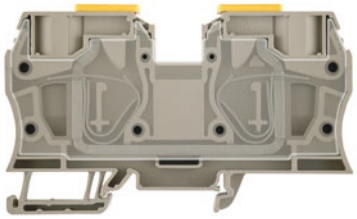
Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ZEI 16	20	**1745350000**
ZEI 16 BL	20	**1766240000**
Integrated end plate.		

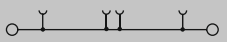
Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZEW 35		20	**9540000000**
PS 2.3 RT		20	**0180400000**
SDS 1.0X5.5X150		1	**2749380000**
ZAD 5/5		20	**1745210000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 15/5 MC NE WS		480	**1609880000**

ZDU 35 — 35 mm²

Two connections



Width/Height/Depth	16 x 100.5 x 58.5 mm
max. current / max. cond. cross-section	**125 / 35** A/mm²
Max. clamping range	**2.5...35** mm²



IEC 60947-7-1

Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
125	120	120	109
35	AWG 12...2	AWG 12...2	35 mm²
	8 kV / 3		
	A8 / V-0		
			KEMA00ATEX2107U

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Rated connection
2.5...16 / 2.5...35
2.5...35 / 2.5...35
25 / 1.0 x 5.5 mm

Note

Cross-connection of ZDU 10 and ZDU 35 is possible using the ZQV 35-10.
Cross-connection of ZDU 16 and ZDU 35 is possible using the ZQV 35-16.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 35	10	**1739620000**
Blue	ZDU 35 BL	10	**1739630000**

Note

End plate is integrated. 1000 VDC rated voltage tested.

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 35/2	125 A	10	**1739700000**
4-pole				
End plate / Partition plate				
dark beige				
Blue				
End bracket				
dark beige	ZEW 35		20	**9540000000**
Testing / Checking				
Test plug				
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Cover				
With lightning flash symbol	ZAD 6/5		20	**1752620000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 15/5 MC NE WS		480	**1609880000**

For detailed information on other accessories and application in the online catalogue



ZDU 2.5-2 — 2.5 mm²

Two connections



5.1 x 50.5 x 43
24 / 2.5
0.13...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	24	24	21
2.5	AWG 26...12	AWG 26...12	4 mm²
	8 kV / 3		
	A2 / V-0		
DEMKO16ATEX1808U			

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

ZDU 2.5-2/3AN — 2.5 mm²

Three connections



5.1 x 50.5 x 43
24 / 2.5
0.13...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	4 mm²
	8 kV / 3		
	A2 / V-0		
DEMKO16ATEX1808U			

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Technical data

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5-2	100	1772060000
Blue	ZDU 2.5-2 BL	100	1772070000
Note	Rated voltage is reduced to 400 V when using the cross-connector.		

Version	Type	Qty.	Order No.
	ZDU 2.5-2/3AN	100	1706010000
	ZDU 2.5-2/3AN BL	100	1706040000
Note	Rated voltage is reduced to 400 V when using the cross-connector.		

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	ZAP/TW7		50	1706110000
Blue	ZAP/TW7 BL		50	1706120000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 4	11 A	25	1688110000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Cover				
With lightning flash symbol	ZAD 1/4-2 GE		20	1764560000
Marking tags				
	DEK 5/5 MC SDR		200	1609810000
	DEK 5/5 MM WS		800	2007110000

Plug-in cross-connection	Type		Qty.	Order No.
	ZQV 2.5/2	24 A	60	1608860000
	ZQV 2.5/10	24 A	20	1608940000
	ZAP/TW7		50	1706110000
	ZAP/TW7 BL		50	1706120000
	ZEW 35		20	9540000000
	ZTA 4	11 A	25	1688110000
	SDIS SLIM 0.6X3.5X100		1	2749610000
	ZRH 1.5H/1		1000	1678810000
	ZRH 1.5H/2		1000	1678800000
	ZAD 1/4-2 GE		20	1764560000
	DEK 5/5 MC SDR		200	1609810000
	DEK 5/5 MM WS		800	2007110000

For detailed information on other accessories and application in the online catalogue

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

ZDU 2.5-2/4AN — 2.5 mm²

Four connections



5.1 x 50.5 x 43
24 / 2.5
0.13...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	4 mm²
	8 kV / 3		
	A2 / V-0		
			DEMKO16ATEX1808U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5-2/4AN	100	1706060000
ZDU 2.5-2/4AN BL	100	1706070000

The wire cross section is decreased to 1.5 mm² when using the ZQB 2.5 for single core and finely stranded wires.

Type		Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
ZAP/TW7		50	1706110000
ZAP/TW7 BL		50	1706120000
ZEW 35		20	9540000000
ZTA 4	11 A	25	1688110000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC SDR		200	1609810000
DEK 5/5 MM WS		800	2007110000

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

ZDU 4-2 — 4 mm²

Two connections



6.1 x 61.5 x 45.5
32 / 6
0.13...6



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	440
32	33	35	29
4	AWG 26...10	AWG 26...10	6 mm²
	8 kV / 3		
	A3 / V-0		
			DEMKO16ATEX1808U

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/2AN	100	1770370000
ZDU 4-2/2AN BL	100	1770840000

Rated voltage is reduced to 400 V when using the cross-connector.

Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP ZDU4-2		50	1770400000
ZAP ZDU4-2 BL		50	1770880000
ZEW 35		20	9540000000
ZTA 6/ZA	17.5 A	25	1780660000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZAD 1/4		20	1609110000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
DEK 5/6 MC NE WS		1000	1609820000

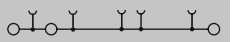
The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

ZDU 4-2/3AN — 4 mm²

Three connections



6.1 x 61.5 x 45.5
38 / 6
0.13...6



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	440
32	33	35	29
4	AWG 26...10	AWG 26...10	6 mm²
	8 kV / 3		
	A3 / V-0		
			DEMKO16ATEX1808U

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/3AN	100	1770360000
ZDU 4-2/3AN BL	100	1770860000

Rated voltage is reduced to 400 V when using the cross-connector.

Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP ZDU4-2		50	1770400000
ZAP ZDU4-2 BL		50	1770880000
ZEW 35		20	9540000000
ZTA 6/ZA	17.5 A	25	1780660000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZAD 1/4		20	1609110000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).

	ZDU 4-2/3AN LSC	4 mm²	ZDU 4-2/4AN	4 mm²
	Three connections		Four connections	
				
Width/Height/Depth mm	6.1 x 61.5 x 45.5		6.1 x 75.1 x 45.5	
max. current / max. cond. cross-section A/mm²	**38 / 6**		**32 / 6**	
Max. clamping range mm²	**0.13...6**		**0.13...6**	

Technical data

Rated data	IEC 60947-7-1			
	IEC	UL	CSA	EN 60079-7
Rated voltage V	800			
Rated current A	32			
for wire cross-section mm²	4			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals	CE EAC			
Rated connection				
0.5...6				
0.5...4 / 0.5...4				
10 / 0.6 x 3.5 mm				

Rated data	IEC 60947-7-1		Ex eb II C Gb	Ex II 2 G D
	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	440
Rated current A	32	33	35	29
for wire cross-section mm²	4	AWG 26...10	AWG 26...10	6 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals	CE EAC			DEMKO16ATEX1808U
Rated connection				
0.5...6				
0.5...4 / 0.5...4				
10 / 0.6 x 3.5 mm				

Note

The ZDU 4-2/3AN LSC version can be mounted on a 40 mm Lütze frame.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 4-2/3AN LSC	100	**1790520000**
Blue	ZDU 4-2/3AN LSC BL	100	**1804880000**

Note

Rated voltage is reduced to 400 V when using the cross-connector.

Version	Type	Qty.	Order No.
dark beige	ZDU 4-2/4AN	100	**1806980000**
Blue	ZDU 4-2/4AN BL	100	**1806990000**

Rated voltage is reduced to 400 V when using the cross-connector.

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
4-pole				
10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate				
dark beige	ZAP ZDU4-2		50	**1770400000**
Blue	ZAP ZDU4-2 BL		50	**1770880000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 6/ZA	17.5 A	25	**1780660000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Cover				
With lightning flash symbol	ZAD 1/4		20	**1609110000**
Marking tags				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**

	Type		Qty.	Order No.
	ZQV 4/2 GE	32 A	60	**1608950000**
	ZQV 4/10 GE	32 A	20	**1609030000**
	ZAP ZDU4-2/4AN		50	**1807010000**
	ZAP ZDU4-2/4AN BL		50	**1807020000**
	ZEW 35		20	**9540000000**
	ZTA 6/ZA	17.5 A	25	**1780660000**
	SDIS SLIM 0.6X3.5X100		1	**2749610000**
	ZAD 1/4		20	**1609110000**
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**

For detailed information on other accessories and application in the online catalogue

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).

ZDU 6-2/2AN — 6 mm²

Two connections



8.1 x 68 x 49.5
41 / 10
0.22...10



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	38
6	AWG 22...8	AWG 20...8	10 mm²
	8 kV / 3		
	A5 / V-0		

DEMKO16ATEX1808U

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

Type	Qty.	Order No.
ZDU 6-2/2AN	50	1771380000
ZDU 6-2/2AN BL	50	1771390000

Rated voltage is reduced to 400 V when using the cross-connector. 1000 VDC rated voltage tested.

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA	9 A	25	1780670000
SDIS SLIM 0.8X4.0X100		1	2749620000
ZAD 2/4		20	1609080000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 6-2/3AN — 6 mm²

Three connections



8.1 x 68 x 49.5
41 / 10
0.22...10



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	38
6	AWG 22...8	AWG 20...8	10 mm²
	8 kV / 3		
	A5 / V-0		

DEMKO16ATEX1808U

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

Type	Qty.	Order No.
ZDU 6-2/3AN	50	1771410000
ZDU 6-2/3AN BL	50	1771420000

Rated voltage is reduced to 400 V when using the cross-connector.

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA	9 A	25	1780670000
SDIS SLIM 0.8X4.0X100		1	2749620000
ZAD 2/4		20	1609080000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZEI 16-2 /1 AN — 16 mm²

Supply terminal



14 x 61.5 x 50.5
76 / 25
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
76	65	65	
16	AWG 14...4	AWG 14...4	
	6 kV / 3		
	A7 / V-0		

Rated connection
1.5...10 / 16...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 16-2/1AN	20	1772940000
ZEI 16-2/1AN BL	20	1772950000

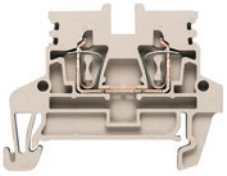
End plate is integrated.

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZAP/Z...16-2/1AN		10	1772970000
ZEW 35		20	9540000000
SDS 1.0X5.5X150		1	2749380000
DEK 8 FSZ 1-10		500	1289660001

The plug-in cross-connections ZQV 2.5/..., ZQV 4/... and ZQV 6/... can be used.

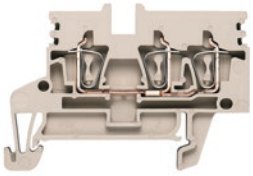
ZDU 2.5N — 2.5 mm²

Two connections



ZDU 2.5N/3AN — 2.5 mm²

Three connections



		ZDU 2.5N	ZDU 2.5N/3AN
Width/Height/Depth	mm	5.1 x 50.5 x 38.5	5.1 x 56.5 x 38.5
max. current / max. cond. cross-section	A/mm²	24 / 4	24 / 4
Max. clamping range	mm²	0.05...4	0.05...4

Technical data

		ZDU 2.5N				ZDU 2.5N/3AN			
Rated data									
Rated voltage	V	IEC 60947-7-1			Ex eb II C Gb II 2 G D	IEC 60947-7-1			Ex eb II C Gb II 2 G D
Rated current	A	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
		800	300	300	550	800	300	300	550
		24	20	24	20.5	24	20	24	21.5
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	2.5 mm²	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		6 kV / 3				6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0				A2 / V-0			
Approvals		KEMA06ATEX0271U				KEMA06ATEX0271U			
Clamped conductors (H05V/H07V)									
Solid / Stranded	mm²								
Flexible / Flexible with ferrule	mm²								
Stripping length / Blade size	mm/-								
Rated connection									
		0.5...4 / 1.5...2.5				0.5...4 / 1.5...2.5			
		0.5...2.5 / 0.5...1.5				0.5...2.5 / 0.5...1.5			
		10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.				2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

		ZDU 2.5N			ZDU 2.5N/3AN		
Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	dark beige	ZDU 2.5N	50	**1933700000**	ZDU 2.5N/3AN	50	**1933720000**
	Blue	ZDU 2.5N BL	50	**1933710000**	ZDU 2.5N/3AN BL	50	**1933730000**
Note							

Accessories

		ZDU 2.5N			ZDU 2.5N/3AN		
Plug-in cross-connection		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	2-pole	ZQV 2.5/2 24 A	60	**1608860000**	ZQV 2.5/2 24 A	60	**1608860000**
	10-pole	ZQV 2.5/10 24 A	20	**1608940000**	ZQV 2.5/10 24 A	20	**1608940000**
End plate / Partition plate							
	dark beige	ZAP/TW ZDU/ZPE 2.5N	20	**1933790000**	ZAP/TW ZDU/ZPE 2.5N/3AN	50	**1933800000**
End bracket							
	dark beige	ZEW 35	20	**9540000000**	ZEW 35	20	**9540000000**
Test adapter							
	Standard	ZTA ZT2.5 17.5 A	25	**1827080000**	ZTA ZT2.5 17.5 A	25	**1827080000**
	With spigot	ZTA ZT2.5/ZA 17.5 A	25	**1847600000**	ZTA ZT2.5/ZA 17.5 A	25	**1847600000**
Screwdriver							
	Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Reducing sleeves							
	for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1	1000	**1678810000**	ZRH 1.5H/1	1000	**1678810000**
	for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2	1000	**1678800000**	ZRH 1.5H/2	1000	**1678800000**
Cover							
	With lightning flash symbol	ZAD 9/4	20	**1934160000**	ZAD 9/4	20	**1934160000**
Marking tags							
		DEK 5/5 MC NE WS	1000	**1609801044**	DEK 5/5 MC NE WS	1000	**1609801044**
		WS 10/5 M MC NE WS	720	**1792000000**	WS 10/5 M MC NE WS	720	**1792000000**
		WS 8/5 MM WS	800	**2007150000**	WS 8/5 MM WS	800	**2007150000**

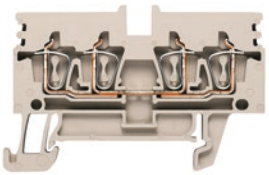
For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

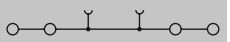
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDU 2.5N/4AN — 2.5 mm²

Four connections



5.1 x 60 x 38.5
24 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm²
	6 kV / 3		
	A2 / V-0		
			KEMA06ATEX0271U

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

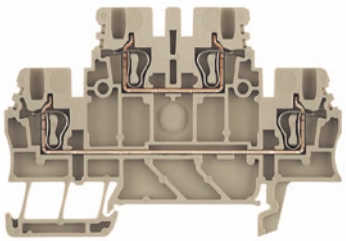
Type	Qty.	Order No.
ZDU 2.5N/4AN	50	**1933740000**
ZDU 2.5N/4AN BL	50	**1933750000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDU/ZPE 2.5N/4AN		50	**1933810000**
ZEW 35		20	**9540000000**
ZTA ZT2.5	17.5 A	25	**1827080000**
ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
ZAD 9/4		20	**1934160000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 M MC NE WS		720	**1792000000**
WS 8/5 MM WS		800	**2007150000**

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

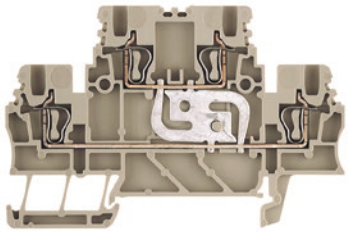
ZDK 1.5 — 1.5 mm²

Double-level terminal

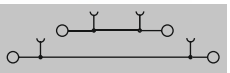


ZDK 1.5V — 1.5 mm²

Vertically cross-connected double-level terminal



		ZDK 1.5	ZDK 1.5V
Width/Height/Depth	mm	3.5 x 75.5 x 49.5	3.5 x 75.5 x 49.5
max. current / max. cond. cross-section	A/mm²	**17.5 / 1.5**	**17.5 / 1.5**
Max. clamping range	mm²	**0.05...1.5**	**0.05...1.5**





Technical data

Rated data		ZDK 1.5	ZDK 1.5V
		IEC 60947-7-1	IEC 60947-7-1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 600	500 / 300 / 600
Rated current	A	17.5 / 10 / 10	17.5 / 10 / 10
for wire cross-section	mm²	1.5 / AWG 28...16 / AWG 28...16	1.5 / AWG 28...16 / AWG 28...16
Rated impulse withstand voltage / Pollution severity		6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		B1 / V-0	B1 / V-0
Approvals		CE, GL, cULus, EAC	CE, GL, cULus, EAC
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Stripping length / Blade size	mm/-	10 / 0.4 x 2.0 mm	10 / 0.4 x 2.0 mm
Note			

Ordering data

Version	ZDK 1.5 Type	Qty.	Order No.	ZDK 1.5V Type	Qty.	Order No.
dark beige	ZDK 1.5	100	**1791100000**	ZDK 1.5V	100	**1791130000**
Blue	ZDK 1.5 BL	100	**1791110000**	ZDK 1.5V BL	50	**1791140000**
Note						

Accessories

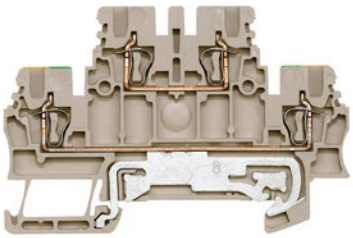
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 1.5/2	17.5 A	60	**1776120000**	ZQV 1.5/2	17.5 A	60	**1776120000**
10-pole	ZQV 1.5/10	17.5 A	20	**1776200000**	ZQV 1.5/10	17.5 A	20	**1776200000**
End plate / Partition plate								
dark beige	ZAP/TW ZDK1.5		20	**1791160000**	ZAP/TW ZDK1.5		20	**1791160000**
Blue	ZAP/TW ZDK1.5 BL		20	**1791170000**	ZAP/TW ZDK1.5 BL		20	**1791170000**
End bracket								
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Test adapter								
Standard	ZTA 5	13.5 A	25	**1776210000**	ZTA 5	13.5 A	25	**1776210000**
With spigot	ZTA 5/ZA	13.5 A	25	**1776220000**	ZTA 5/ZA	13.5 A	25	**1776220000**
Screwdriver								
Standard	SDS 0.4X2.0X60		1	**2749260000**	SDS 0.4X2.0X60		1	**2749260000**
Reducing sleeves								
for conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1		500	**1781950000**	ZRH 1.5S/1		500	**1781950000**
for conductors < 1.0 mm² / AWG 18								
Marking tags								
	DEK 5/3.5 MC NE WS		500	**1755270000**	DEK 5/3.5 MC NE WS		500	**1755270000**
	DEK 5/3.5 MM WS		1000	**2007100000**	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**	WS 8/3.5 MM WS		1000	**2007140000**
Cover								
With lightning flash symbol	ZAD 7/4		20	**1781940000**	ZAD 7/4		20	**1781940000**

For detailed information on other accessories and application in the online catalogue

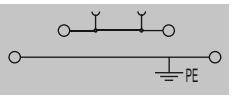
ZDK 1.5 DU-PE

1.5 mm²

Double-level terminal (DU-PE)



3.5 x 75.5 x 49.5
17.5 / 1.5
0.05...1.5



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300		
17.5	10		
1.5	AWG 28...16	AWG 28...16	
	6 kV / 3		
	B1 / V-0		

Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

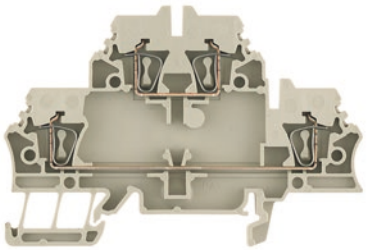
Type	Qty.	Order No.
ZDK 1.5DU-PE	100	**1791120000**

Upper level: feed-through terminal
Lower level: PE terminal

Type		Qty.	Order No.
ZQV 1.5/2	17.5 A	60	**1776120000**
ZQV 1.5/10	17.5 A	20	**1776200000**
ZAP/TW ZDK1.5		20	**1791160000**
ZAP/TW ZDK1.5 BL		20	**1791170000**
ZEW 35		20	**9540000000**
ZTA 5	13.5 A	25	**1776210000**
ZTA 5/ZA	13.5 A	25	**1776220000**
SDS 0.4X2.0X60		1	**2749260000**
ZRH 1.5S/1		500	**1781950000**
DEK 5/3.5 MC NE WS		500	**1755270000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
ZAD 7/4		20	**1781940000**

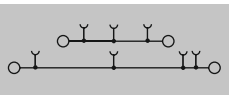
ZDK 2.5 — 2.5 mm²

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

5.1 x 79.5 x 53
20 / 2.5
0.05...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
20	15	25	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			
DEMKO16ATEX1729U			

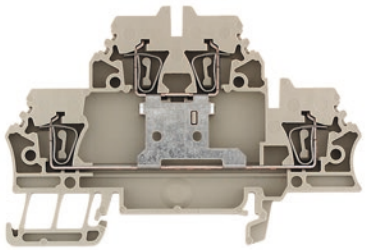
Rated connection

0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

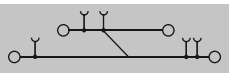
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

ZDK 2.5 V — 2.5 mm²

Vertically cross-connected double-level terminal



5.1 x 79.5 x 53
20 / 2.5
0.05...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			
DEMKO16ATEX1729U			

Rated connection

0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Note

Ordering data

Version		Type	Qty.	Order No.
	dark beige	ZDK 2.5	50	**1674300000**
	Blue	ZDK 2.5 BL	50	**1678630000**

Note

ZBS 1 component plug ZBS 1 can be used for LED (1764550000).

Type	Qty.	Order No.
ZDK 2.5V	50	**1689990000**
ZDK 2.5V BL	50	**1745880000**

Accessories

Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5/2	24 A	60	**1608860000**
	10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate					
	dark beige	ZAP/TW ZDK2.5		20	**1674730000**
	Blue	ZAP/TW ZDK2.5 BL		20	**1748800000**
End bracket					
	dark beige	ZEW 35		20	**9540000000**
Test adapter					
	Standard	ZTA ZDK 2.5		5	**1052660000**
	With spigot	ZTA ZDK 2.5/ZA		5	**1052680000**
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Reducing sleeves					
	for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
	for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Marking tags					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/5 MC NE WS		720	**1609860000**
		DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**
Cover					
	With lightning flash symbol				

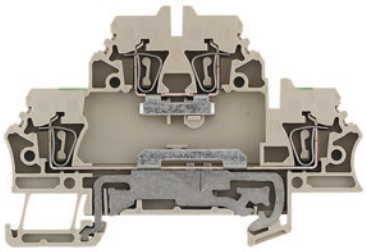
Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5/2	24 A	60	**1608860000**
	10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate					
	dark beige	ZAP/TW ZDK2.5		20	**1674730000**
	Blue	ZAP/TW ZDK2.5 BL		20	**1748800000**
End bracket					
	dark beige	ZEW 35		20	**9540000000**
Test adapter					
	Standard	ZTA ZDK 2.5		5	**1052660000**
	With spigot	ZTA ZDK 2.5/ZA		5	**1052680000**
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Reducing sleeves					
	for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
	for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Marking tags					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/5 MC NE WS		720	**1609860000**
		DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**
Cover					
	With lightning flash symbol				

For detailed information on other accessories and application in the online catalogue

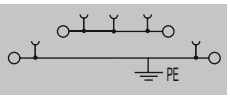
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDK 2.5 DU-PE — 2.5 mm²

Phase - PE conductor



5.1 x 79.5 x 53
24 / 2.5
0.05...2.5



IEC 60947-7-1 (-7-2) — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	352
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			

DEMKO16ATEX1729U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

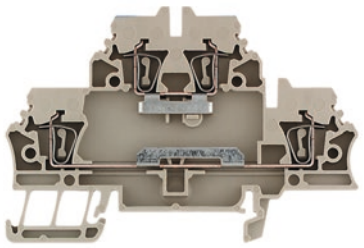
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5DU-PE	50	1689970000

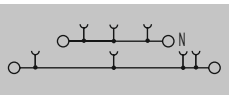
Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDK 2.5 N-DU — 2.5 mm²

Neutral conductor - phase



5.1 x 79.5 x 53
23 / 2.5
0.05...2.5



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	352
20	15	10	19
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			

DEMKO16ATEX1729U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

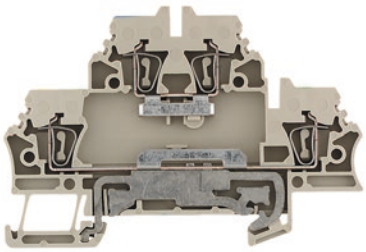
Type	Qty.	Order No.
ZDK 2.5N-DU	50	1689960000

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

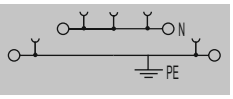
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDK 2.5 N-PE — 2.5 mm²

Neutral & PE conductor



5.1 x 79.5 x 53
24 / 2.5
0.05...2.5



IEC 60947-7-1 (-7-2) — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	352
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			

DEMKO16ATEX1729U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

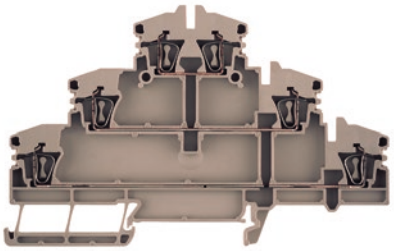
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5N-PE	50	1689980000

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

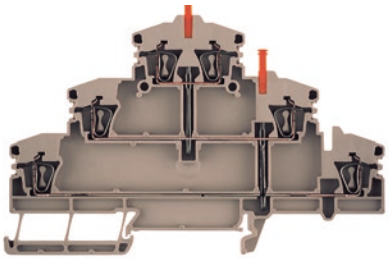
ZDLD 2.5-2 N — 2.5 mm²

Three levels

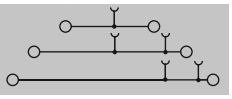


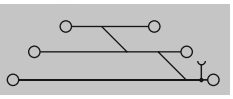
ZDLD 2.5-2 VN — 2.5 mm²

Vertically cross-connected multi-level terminal



		ZDLD 2.5-2 N	ZDLD 2.5-2 VN
Width/Height/Depth	mm	5.1 x 110.5 x 69	5.1 x 110.5 x 69
max. current / max. cond. cross-section	A/mm²	**20 / 2.5**	**20 / 2.5**
Max. clamping range	mm²	**0.08...2.5**	**0.08...2.5**





Technical data

Rated data		ZDLD 2.5-2 N	ZDLD 2.5-2 VN
Rated voltage	V	500	400
Rated current	A	20	20
for wire cross-section	mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity		6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0	A2 / V-0
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...2.5	0.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDLD 2.5-2N	50	**1782300000**
Blue	ZDLD 2.5-2N BL	50	**1782310000**

Type	Qty.	Order No.
ZDLD 2.5-2VN	25	**1782320000**
ZDLD 2.5-2VN BL	25	**1782330000**

Accessories

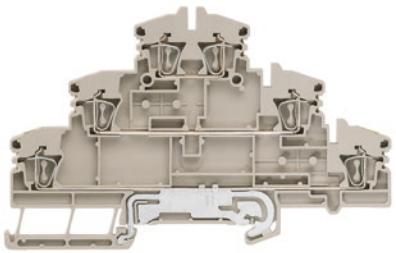
Accessories	Type		Qty.	Order No.
Vertical jumpers				
1-pole	ZVQ 2.5/1.5	24 A	50	**1720700000**
Plug-in cross-connection				
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDLD2.5-2N		20	**1782340000**
Blue	ZAP/TW ZDLD2.5-2N BL		20	**1782350000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 4	11 A	25	**1688110000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
Reducing sleeves				
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDLD2.5-2N		20	**1782340000**
ZAP/TW ZDLD2.5-2N BL		20	**1782350000**
ZEW 35		20	**9540000000**
ZTA 4	11 A	25	**1688110000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
SWIFTY SET		1	**9006060000**
ZRH 1.5H/2		1000	**1678800000**
ZRH 1.5H/1		1000	**1678810000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

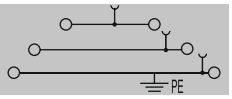
For detailed information on other accessories and application in the online catalogue

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDLD 2.5-2 N PE/L/L — 2.5 mm²



5.1 x 110.5 x 69
/ 2.5
0.08...2.5



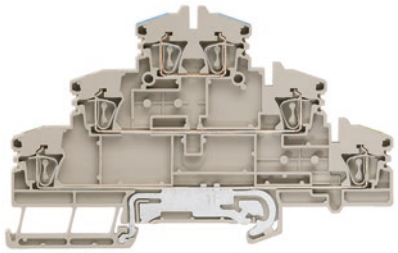
IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

CE cULus EAC

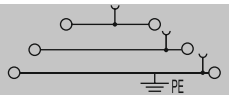
Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
ZDLD 2.5-2N/PE/L/L		50	1131750000
ZVQ 2.5/1.5	24 A	50	1720700000
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4	11 A	25	1688110000
SDIS SLIM 0.6X3.5X100		1	2749610000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDLD 2.5-2 N PE/L/N — 2.5 mm²



5.1 x 110.5 x 69
/ 2.5
0.08...2.5



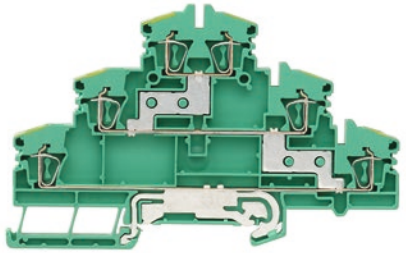
IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

CE cULus EAC

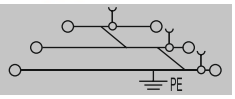
Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
ZDLD 2.5-2N/PE/L/N		50	1131760000
ZVQ 2.5/1.5	24 A	50	1720700000
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4	11 A	25	1688110000
SDIS SLIM 0.6X3.5X100		1	2749610000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDLD 2.5-2 N PE — 2.5 mm²



5.1 x 110.5 x 69
/ 2.5
0.08...2.5



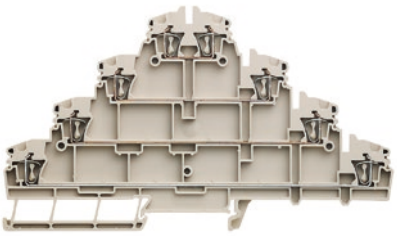
IEC	UL	CSA	EN 60079-7
500			
2.5	AWG 26...12	AWG 26...12	
	/ V-0		

CE cULus EAC

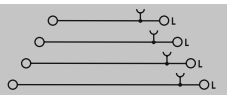
Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Type		Qty.	Order No.
ZDLD 2.5-2N PE		50	1131740000
ZVQ 2.5/1.5	24 A	50	1720700000
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4	11 A	25	1688110000
SDIS SLIM 0.6X3.5X100		1	2749610000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZVLD 2.5 — 2.5 mm²



Width/Height/Depth	5.1 x 148 x 85
max. current / max. cond. cross-section	/ 2.5
Max. clamping range	0.14...2.5



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	250			
Rated current (A)	20			
for wire cross-section (mm²)	2.5			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0	
Approvals				

EAC

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule (mm²)	0.5...2.5 / 0.5...2.5
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZVLD 2.5	50	1208920000

Note

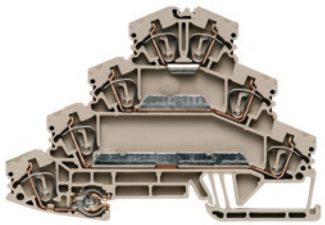
Accessories

	Type		Qty.	Order No.
Vertical jumpers				
1-pole	ZVQ 2.5/1.5	24 A	50	1720700000
Plug-in cross-connection				
2-pole	ZQV 2.5/2	24 A	60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	ZAP ZVLD 2.5		10	1210410000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

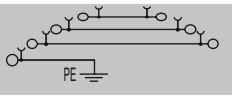
For detailed information on other accessories and application in the online catalogue

ZMAK 2.5 — 2.5 mm²

Motor-supply terminal



Width/Height/Depth	5.1 x 102 x 69.5
max. current / max. cond. cross-section	**31 / 4**
Max. clamping range	**0.13...4**

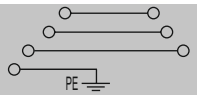


ZMAK 2.5 690 V — 2.5 mm²

Motor-supply terminal



Width/Height/Depth	6.1 x 102 x 69.5
max. current / max. cond. cross-section	**31 / 4**
Max. clamping range	**0.13...4**



Technical data

Rated data		IEC 60947-7-1 (-7-2)			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	24	25	25	
for wire cross-section	mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE GL EAC KCAS UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			

Rated data		IEC 60947-7-1 (-7-2)			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	690	300		
Rated current	A	24	25		
for wire cross-section	mm²	2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZMAK 2.5	25	**1768000000**

Note

Type	Qty.	Order No.
ZMAK 2.5 690V	25	**1027550000**

The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm.

Accessories

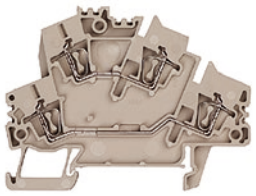
	Type	Qty.	Order No.
End plate / Partition plate			
dark beige	ZAP ZMAK2.5	10	**1768010000**
End bracket			
dark beige	ZEW 35	20	**9540000000**
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Reducing sleeves			
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1	1000	**1678810000**
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2	1000	**1678800000**
Test adapter			
Standard	ZTA 1 9 A	25	**1609040000**
Marking tags			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 12/5 MC NE WS	720	**1609860000**
	DEK 5/5 MM WS	800	**2007110000**
	WS 8/5 MM WS	800	**2007150000**

Type	Qty.	Order No.
ZAP ZMAK2.5	10	**1768010000**
ZEW 35	20	**9540000000**
SDIS SLIM 0.6X3.5X100	1	**2749610000**
ZRH 1.5H/1	1000	**1678810000**
ZRH 1.5H/2	1000	**1678800000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/5 MC NE WS	720	**1609860000**

For detailed information on other accessories and application in the online catalogue

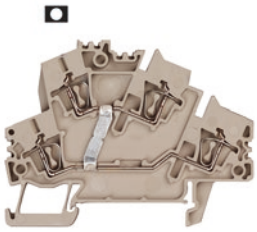
ZDK 2.5-2 — 2.5 mm²

Double-level terminal

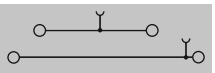


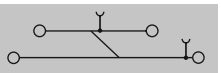
ZDK 2.5-2V — 2.5 mm²

Vertical cross-connected double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

5.1 x 72.5 x 54.5	
24 / 4	
0.05...4	

5.1 x 72.5 x 54.5	
24 / 4	
0.05...4	

Technical data

	IEC 60947-7-1		Ex eb II C Gb	II 2 G D
Rated data				
Rated voltage	V	800	600	600	550
Rated current	A	24	20	25	21
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	4 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0			
Approvals		DEMKO16ATEX1808U			
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

	IEC 60947-7-1		Ex eb II C Gb	II 2 G D
Rated data				
Rated voltage	V	800	600	300	550
Rated current	A	24	20	25	21
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	4 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0			
Approvals		DEMKO16ATEX1808U			
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDK 2.5-2	50	**1790990000**
Blue	ZDK 2.5-2 BL	50	**1791000000**
Note	Rated voltage is reduced to 400 V when using the cross-connector.		

Version	Type	Qty.	Order No.
dark beige	ZDK 2.5-2V	50	**1791030000**
Blue	ZDK 2.5-2V BL	50	**1791040000**
Note	Rated voltage is reduced to 400 V when using the cross-connector.		

Accessories

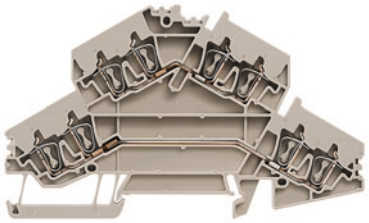
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK2.5-2		20	**1791050000**
Blue	ZAP/TW ZDK2.5-2 BL		20	**1791060000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 4	11 A	25	**1688110000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 1/4-2 GE		20	**1764560000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK2.5-2		20	**1791050000**
Blue	ZAP/TW ZDK2.5-2 BL		20	**1791060000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 4	11 A	25	**1688110000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 1/4-2 GE		20	**1764560000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**

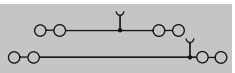
For detailed information on other accessories and application in the online catalogue

ZDK 2.5-2/4 — 2.5 mm²

Double-level terminal



Width/Height/Depth	5.1 x 104 x 62 mm
max. current / max. cond. cross-section	**26 / 4** A/mm²
Max. clamping range	**0.05...4** mm²



Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
22	20	20	19
2.5	AWG 30...12	AWG 30...12	4 mm²
	8 kV / 3		
	A2 / V-0		
			DEMKO16ATEX1808U

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² conductor with wire-end ferrules and plastic collar, with the collar optimised for diameter only (Order No. 1333100000 + 9004080000).

Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZDK 2.5-2/4AN	50	**1394040000**

Accessories

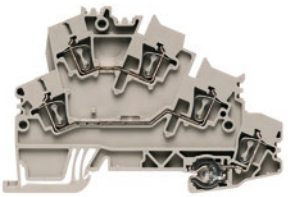
Plug-in cross-connection			
	2-pole		
	10-pole		
End plate / Partition plate			
	dark beige		
End bracket			
	dark beige		
Test adapter			
	With spigot		
Screwdriver			
	Standard		
Reducing sleeves			
	for conductors < 0.5 mm² / AWG 20		
	for conductors < 1.0 mm² / AWG 18		
Cover			
	With lightning flash symbol		
Marking tags			

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDK2.5-2/4AN		20	**1394050000**
ZEW 35		20	**9540000000**
ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
SDS 0.6X3.5X100		1	**2749340000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
ZAD 1/4-2 GE		20	**1764560000**
SNAPMARK I		50	**1805880000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**

For detailed information on other accessories and application in the online catalogue

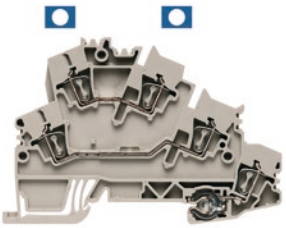
ZDKPE 2.5-2 — 2.5 mm²

Double-tier terminal with one-sided PE connection

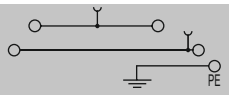


ZDKPE 2.5-2/N/L/PE — 2.5 mm²

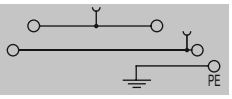
Double-tier terminal with one-sided PE connection



Width/Height/Depth	mm	5.1 x 89.5 x 59.5
max. current / max. cond. cross-section	A/mm²	**24 / 4**
Max. clamping range	mm²	**0.05...4**



Width/Height/Depth	mm	5.1 x 89.5 x 59.5
max. current / max. cond. cross-section	A/mm²	**24 / 4**
Max. clamping range	mm²	**0.05...4**



Technical data

Rated data		IEC 60947-7-1 (-7-2)
Rated voltage	V	800
Rated current	A	24
for wire cross-section	mm²	2.5
Rated impulse withstand voltage / Pollution severity		8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0
Approvals		CE cULus EAC
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5...4
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm

IEC	UL	CSA	EN 60079-7
800	600	300	
24	20	25	
2.5	AWG 26...12	AWG 30...12	

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Rated data		IEC 60947-7-1 (-7-2)
Rated voltage	V	800
Rated current	A	24
for wire cross-section	mm²	2.5
Rated impulse withstand voltage / Pollution severity		8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0
Approvals		CE cULus EAC
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5...4
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 26...12		

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZDKPE 2.5-2	50	**1805940000**

Rated voltage is reduced to 400 V when using the cross-connector.

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZDKPE 2.5-2/N/L/PE	50	**1895700000**

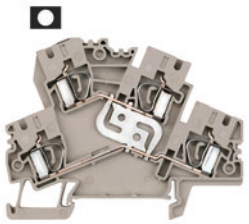
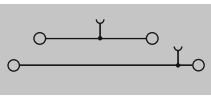
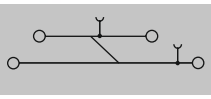
Rated voltage is reduced to 400 V when using the cross-connector.

Accessories

Plug-in cross-connection		Type		Qty.	Order No.
2-pole		ZQV 2.5/2	24 A	60	**1608860000**
10-pole		ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate					
dark beige		ZAP/TW ZDKPE2.5-2		25	**1805960000**
End bracket					
dark beige		ZEW 35		20	**9540000000**
Test adapter					
With spigot		ZTA 4	11 A	25	**1688110000**
Screwdriver					
Standard		SDIS SLIM 0.6X3.5X100		1	**2749610000**
With "swifty set" cutting device		SWIFTY SET		1	**9006060000**
Reducing sleeves					
for conductors < 0.5 mm² / AWG 20		ZRH 1.5H/1		1000	**1678810000**
for conductors < 1.0 mm² / AWG 18		ZRH 1.5H/2		1000	**1678800000**
Cover					
With lightning flash symbol		ZAD 1/4-2 GE		20	**1764560000**
Marking tags					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 10/5 MC NE WS		720	**1635000000**
		DEK 5/5 MM WS		800	**2007110000**

Plug-in cross-connection		Type		Qty.	Order No.
2-pole		ZQV 2.5/2	24 A	60	**1608860000**
10-pole		ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate					
dark beige		ZAP/TW ZDKPE2.5-2		25	**1805960000**
End bracket					
dark beige		ZEW 35		20	**9540000000**
Test adapter					
With spigot		ZTA 4	11 A	25	**1688110000**
Screwdriver					
Standard		SDIS SLIM 0.6X3.5X100		1	**2749610000**
With "swifty set" cutting device		SWIFTY SET		1	**9006060000**
Reducing sleeves					
for conductors < 0.5 mm² / AWG 20		ZRH 1.5H/1		1000	**1678810000**
for conductors < 1.0 mm² / AWG 18		ZRH 1.5H/2		1000	**1678800000**
Cover					
With lightning flash symbol		ZAD 1/4-2 GE		20	**1764560000**
Marking tags					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 10/5 MC NE WS		720	**1635000000**
		DEK 5/5 MM WS		800	**2007110000**

For detailed information on other accessories and application in the online catalogue

		ZDK 4 -2	ZDK 4-2 V
		4 mm²	4 mm²
		Double-level terminal	Vertical cross-connected double-level terminal
			
Width/Height/Depth	mm	6.1 x 77.6 x 60	6.1 x 77.6 x 60
max. current / max. cond. cross-section	A/mm²	**32 / 6**	**32 / 6**
Max. clamping range	mm²	**0.13...6**	**0.13...6**
			

Technical data

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
Rated current	A	32	25	30	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE GL EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note					

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
Rated current	A	32	25	30	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE GL EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note					

Ordering data

Version		Type	Qty.	Order No.
	dark beige	ZDK 4-2	50	**8670750000**
	Blue	ZDK 4-2 BL	50	**8670850000**
Note				

Version		Type	Qty.	Order No.
	dark beige	ZDK 4-2 V	50	**8671080000**
Note				

Accessories

Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
	10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate					
	dark beige	ZAP/TW ZDK4-2		50	**8670760000**
End bracket					
	dark beige	ZEW 35		20	**9540000000**
Test adapter					
	With spigot	ZTA 6/ZA	17.5 A	25	**1780660000**
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Cover					
	With lightning flash symbol	ZAD 1/4		20	**1609110000**
Marking tags					
		DEK 5/6 MC NE WS		1000	**1609820000**
		DEK 5/6 MM WS		600	**2007120000**
		WS 8/6 MM WS		600	**2007160000**

Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
	10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate					
	dark beige	ZAP/TW ZDK4-2		50	**8670760000**
End bracket					
	dark beige	ZEW 35		20	**9540000000**
Test adapter					
	With spigot	ZTA 6/ZA	17.5 A	25	**1780660000**
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Cover					
	With lightning flash symbol	ZAD 1/4		20	**1609110000**
Marking tags					
		DEK 5/6 MC NE WS		1000	**1609820000**
		DEK 5/6 MM WS		600	**2007120000**
		WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

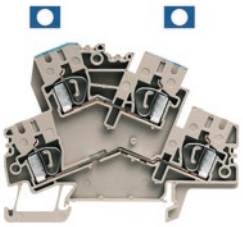
ZDK 4-2 DU/PE — 4 mm²

Phase - PE conductor

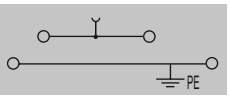


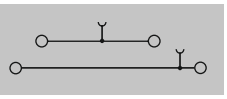
ZDK 4-2/N/L — 4 mm²

Double-level terminal



Width/Height/Depth	mm	6.1 x 77.6 x 60	6.1 x 77.6 x 60
max. current / max. cond. cross-section	A/mm²	**32 / 6**	**32 / 6**
Max. clamping range	mm²	**0.13...6**	**0.13...6**





Technical data

Rated data		IEC 60947-7-1 (-7-2)				IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600		800	600		
Rated current	A	32	25	30		32	25		
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10		4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity			8 kV / 3				8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				A3 / V-0		
Approvals		CE EAC				CE EAC			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...6				0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4				0.5...4 / 0.5...4			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note									

Ordering data

Version		Type	Qty.	Order No.
	dark beige	ZDK 4-2/DU-PE	50	**8671120000**
	Blue			
Note				

Type	Qty.	Order No.
ZDK 4-2/N/L	50	**1905170000**
Upper level printed blue		

Accessories

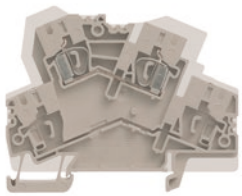
Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
	10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate					
	dark beige	ZAP/TW ZDK4-2		50	**8670760000**
End bracket					
	dark beige	ZEW 35		20	**9540000000**
Test adapter					
	With spigot	ZTA 6/ZA	17.5 A	25	**1780660000**
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Cover					
	With lightning flash symbol	ZAD 1/4		20	**1609110000**
Marking tags					
		DEK 5/6 MC NE WS		1000	**1609820000**
		DEK 5/6 MM WS		600	**2007120000**
		WS 8/6 MM WS		600	**2007160000**

Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZQV 4/10 GE	32 A	20	**1609030000**
ZAP/TW ZDK4-2		50	**8670760000**
ZEW 35		20	**9540000000**
ZTA 6/ZA	17.5 A	25	**1780660000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
ZAD 1/4		20	**1609110000**
DEK 5/6 MC NE WS		1000	**1609820000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

ZDK 4-2/2AN — 4 mm²

Double-level terminal



Width/Height/Depth	mm	8.1 x 78 x 60
max. current / max. cond. cross-section	-/mm²	**/ 6**
Max. clamping range	mm²	**0.13...6**

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800			
Rated current	A	32			
for wire cross-section	mm²	4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity				/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0	
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDK 4-2/2AN	50	**1119700000**

Note

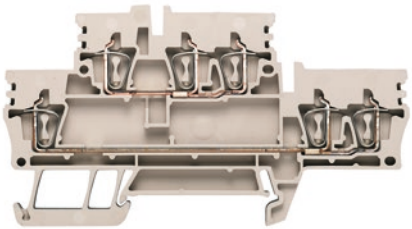
Accessories

	Type		Qty.	Order No.
Cover				
With lightning flash symbol	ZAD 1/4		20	**1609110000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 6/ZA	17.5 A	25	**1780660000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Marking tags				
	DEK 5/6 MC NE WS		1000	**1609820000**

For detailed information on other accessories and application in the online catalogue

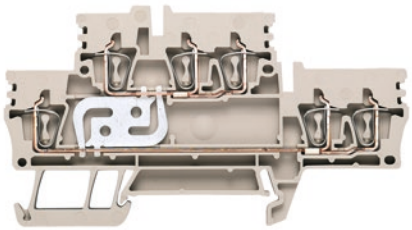
ZDK 2.5/3AN — 2.5 mm²

Double-level terminal



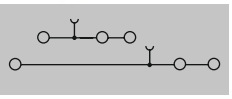
ZDK 2.5/3AN V — 2.5 mm²

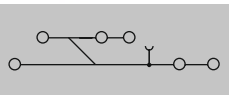
Vertical cross-connected double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

ZDK 2.5/3AN	ZDK 2.5/3AN V
5.1 x 93 x 50.5	5.1 x 93 x 50.5
24 / 4	**24 / 4**
0.05...4	**0.05...4**





IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	800	300	300	440
Rated current (A)	24	20	24	21
for wire cross-section (mm²)	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				DEMKO16ATEX1729U

Clamped conductors (H05V/H07V)	
Solid / Stranded (mm²)	0.5...4 / 0.5...2.5
Flexible / Flexible with ferrule (mm²)	0.5...2.5 / 0.5...2.5
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	800	300	300	440
Rated current (A)	24	20	24	20
for wire cross-section (mm²)	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				DEMKO16ATEX1729U

Clamped conductors (H05V/H07V)	
Solid / Stranded (mm²)	0.5...4 / 0.5...2.5
Flexible / Flexible with ferrule (mm²)	0.5...2.5 / 0.5...2.5
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDK 2.5/3AN	50	**1924510000**
Blue	ZDK 2.5/3AN BL	50	**1924500000**

Note

Version	Type	Qty.	Order No.
dark beige	ZDK 2.5/3AN V	50	**1924490000**
Blue	ZDK 2.5/3AN V BL	50	**1924480000**

Note

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK 2.5/3AN		20	**1924910000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	**1827080000**
With spigot	ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 9/4		20	**1934160000**
Marking tags				
	SNAPMARK I		50	**1805880000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK 2.5/3AN		20	**1924910000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	**1827080000**
With spigot	ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 9/4		20	**1934160000**
Marking tags				
	SNAPMARK I		50	**1805880000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**

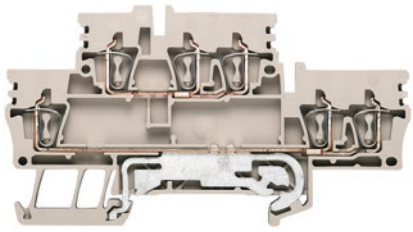
For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

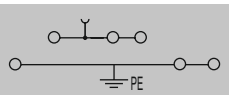
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDK 2.5/3AN DU-PE — 2.5 mm²

Double-level terminal (DU-PE)



Width/Height/Depth	5.1 x 93 x 50.5 mm
max. current / max. cond. cross-section	31 / 4 A/mm²
Max. clamping range	0.05...4 mm²



IEC 60947-7-1 (-7-2)

Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	800	300	300	440
Rated current (A)	24	20	24	21
for wire cross-section (mm²)	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals				DEMKO16ATEX1729U

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...4 / 0.5...2.5
Flexible / Flexible with ferrule (mm²)	0.5...2.5 / 0.5...2.5
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZDK 2.5/3AN DU-PE	50	1924460000

Note

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5/2	24 A	60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	ZAP/TW ZDK 2.5/3AN		20	1924910000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	1827080000
With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Cover				
With lightning flash symbol	ZAD 9/4		20	1934160000
Marking tags				
	SNAPMARK I		50	1805880000
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000

For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

		ZPEA 2.5-2	2.5 mm²	ZPEA 2.5-2N	2.5 mm²
		Two connections		Two connections	
					
Width/Height/Depth	mm	5.1 x 35 x 30		5.1 x 42.5 x 35	
max. current / max. cond. cross-section	-/mm²	/ 4		/ 4	
Max. clamping range	mm²	0.13...4		0.13...4	

Technical data

Rated data							
for wire cross-section	mm²	IEC 60947-7-2	IEC 2.5	UL AWG 26...12	CSA AWG 26...12	EN 60079-7 4 mm²	
Rated voltage to adjoining terminal	V		500				
Rated impulse withstand voltage to adjacent terminal	kV		6				
Rated short-time current			300 A (2.5 mm²)				
Pollution severity			3				
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0				
Approvals							
Clamped conductors (H05V/H07V)							
Solid / Stranded	mm²	Rated connection	0.5...2.5 / 0.5...2.5				
Flexible / Flexible with ferrule	mm²		0.5...2.5 / 0.5...2.5				
Twin wire-end ferrule	-						
Stripping length / Blade size	mm/-		10 / 0.6 x 3.5 mm				
Note			TS 15 - sliced construction				

Rated data							
for wire cross-section	mm²	IEC 60947-7-2	IEC 2.5	UL AWG 26...12	CSA AWG 26...12	EN 60079-7	
Rated voltage to adjoining terminal	V		800				
Rated impulse withstand voltage to adjacent terminal	kV		8				
Rated short-time current			300 A (2.5 mm²)				
Pollution severity			3				
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0				
Approvals							
Clamped conductors (H05V/H07V)							
Solid / Stranded	mm²	Rated connection	0.5...2.5 / 0.5...2.5				
Flexible / Flexible with ferrule	mm²		0.5...2.5 / 0.5...2.5				
Twin wire-end ferrule	-						
Stripping length / Blade size	mm/-		10 / 0.6 x 3.5 mm				
Note			TS 15 - sliced construction				

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZPEA 2.5-2	100	1720950000
Note			

Type	Qty.	Order No.
ZPEA 2.5-2N	50	1808210000

Accessories

End plate / Partition plate	Type	Qty.	Order No.
dark beige	ZAP/TW ZDUA	50	1720960000
End bracket			
dark beige			
beige	ZEW 15	20	7920340000
Test adapter			
Standard			
With spigot			
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	2749610000
Reducing sleeves			
for conductors < 0.5 mm² / AWG 20			
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 10/5 MC NE WS	720	1635000000
	DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
ZAP/TW ZDUA2.5-2N	50	1808170000
ZEW 15	20	7920340000
SDIS SLIM 0.6X3.5X100	1	2749610000
DEK 5/5 MC NE WS	1000	1609801044
WS 10/5 MC NE WS	720	1635000000
DEK 5/5 MM WS	800	2007110000

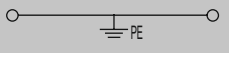
For detailed information on other accessories and application in the online catalogue

ZPEB 2.5-2 — 2.5 mm²

Two connections



5.1 x 33.5 x 31
/ 4
0.13...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	4 mm²
800			
8			
300 A (2.5 mm²)			
3			
A2 / V-0			

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

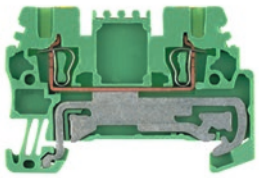
TS 15 - block construction

Type	Qty.	Order No.
ZPEB 2.5-2	100	1712810000

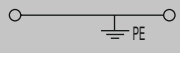
Type	Qty.	Order No.
ZAP ZDUB	50	1704750000
ZEW 15	20	7920340000
SDIS SLIM 0.6X3.5X100	1	2749610000
DEK 5/5 MC NE WS	1000	1609801044
WS 10/5 MC NE WS	720	1635000000
DEK 5/5 MM WS	800	2007110000

ZPE 1.5 — 1.5 mm²

Two connections



3.5 x 54.5 x 36.5
/ 1.5
0.05...1.5



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm²
500			
6			
180 A (1.5 mm²)			
3			
B1 / V-0			

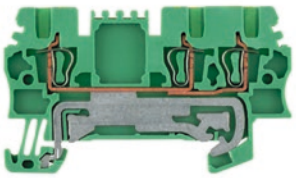
Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
0.5...0.75
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZPE 1.5	50	1775510000

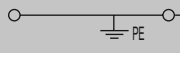
Type		Qty.	Order No.
ZAP/TW ZDU1.5/2AN		20	1776030000
ZEW 35		20	9540000000
ZTA 5	13.5 A	25	1776210000
ZTA 5/ZA	13.5 A	25	1776220000
SDS 0.4X2.0X60		1	2749260000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000

ZPE 1.5/3AN — 1.5 mm²

Three connections



3.5 x 63 x 36.5
/ 1.5
0.05...1.5



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm²
500			
6			
180 A (1.5 mm²)			
3			
B1 / V-0			

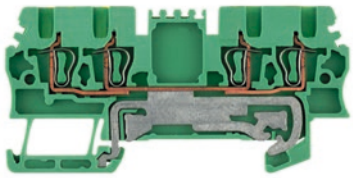
Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
0.5...0.75
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZPE 1.5/3AN	50	1775560000

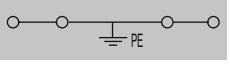
Type		Qty.	Order No.
ZAP/TW ZDU1.5/3AN		20	1776060000
ZEW 35		20	9540000000
ZTA 5	13.5 A	25	1776210000
ZTA 5/ZA	13.5 A	25	1776220000
SDS 0.4X2.0X60		1	2749260000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000

ZPE 1.5/4AN — 1.5 mm²

Four connections



Width/Height/Depth	3.5 x 75.5 x 36.5
max. current / max. cond. cross-section	/ 1.5
Max. clamping range	0.05...1.5



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section	1.5 mm²	AWG 26...14	AWG 26...12	1.5 mm²
Rated voltage to adjoining terminal	500 V			
Rated impulse withstand voltage to adjacent terminal	6 kV			
Rated short-time current	180 A (1.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B1 / V-0			
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded	0.5...1.5 mm²
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1.5 mm²
Twin wire-end ferrule	0.5...0.75 mm²
Stripping length / Blade size	10 / 0.4 x 2.0 mm mm/-

Note

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZPE 1.5/4AN	50	1775620000

Note

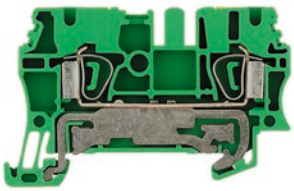
Accessories

End plate / Partition plate	Type	Qty.	Order No.
dark beige	ZAP/TW ZDU1.5/4AN	20	1776090000
End bracket			
dark beige	ZEW 35	20	9540000000
Test adapter			
Standard	ZTA 5 13.5 A	25	1776210000
With spigot	ZTA 5/ZA 13.5 A	25	1776220000
Screwdriver			
Standard	SDS 0.4X2.0X60	1	2749260000
Reducing sleeves			
for conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1	500	1781950000
for conductors < 1.0 mm² / AWG 18			
Marking tags			
	DEK 5/3.5 MC NE WS	500	1755270000
	WS 12/3.5 MC NE WS	600	1778270000
	DEK 5/3.5 MM WS	1000	2007100000

For detailed information on other accessories and application in the online catalogue

ZPE 2.5 — 2.5 mm²

Two connections



Width/Height/Depth	5.1 x 63 x 38.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.05...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section	2.5 mm²	AWG 30...12	AWG 26...12	4 mm²
Rated voltage to adjoining terminal	800 V			
Rated impulse withstand voltage to adjacent terminal	8 kV			
Rated short-time current	300 A (2.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0			
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded	0.5...4 mm²
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5 mm²
Twin wire-end ferrule	mm²
Stripping length / Blade size	10 / 0.6 x 3.5 mm mm/-

Note

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZPE 2.5	50	1608640000

Note

Accessories

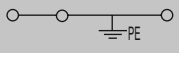
End plate / Partition plate	Type	Qty.	Order No.
dark beige	ZAP/TW 1	50	1608740000
End bracket			
dark beige	ZEW 35	20	9540000000
Test adapter			
Standard	ZTA 1 9 A	25	1609040000
With spigot	ZTA 1/ZA 9 A	25	1609050000
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	2749610000
Reducing sleeves			
for conductors < 0.5 mm² / AWG 20	ZRH 2.5/1 WS	1000	1614300000
for conductors < 1.0 mm² / AWG 18	ZRH 2.5/2 GR/VO	1000	1614290000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 10/5 MC NE WS	720	1635000000
	DEK 5/5 MM WS	800	2007110000

ZPE 2.5/3AN — 2.5 mm²

Three connections



5.1 x 64.5 x 38.5
/ 4
0.05...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

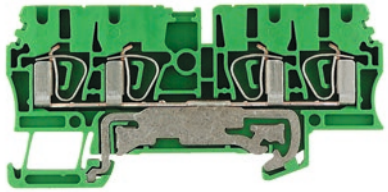
Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 2.5/3AN	50	1608650000

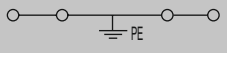
Type		Qty.	Order No.
ZAP/TW 2 DB		50	1608770000
ZEW 35		20	9540000000
ZTA 1	9 A	25	1609040000
ZTA 1/ZA	9 A	25	1609050000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000

ZPE 2.5/4AN — 2.5 mm²

Four connections



5.1 x 79.5 x 38.5
/ 4
0.05...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 2.5/4AN	50	1608660000

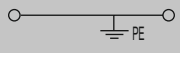
Type		Qty.	Order No.
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
ZTA 1	9 A	25	1609040000
ZTA 1/ZA	9 A	25	1609050000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000

ZPE 4 — 4 mm²

Two connections



6.1 x 64 x 43
/ 6
0.13...6



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	6 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...6 / 1.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4	50	1632080000

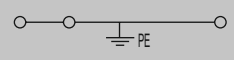
Type		Qty.	Order No.
ZAP/TW 4		50	1632090000
ZEW 35		20	9540000000
ZTA 2 ZDU4	9 A	25	1609060000
ZTA 2/ZA ZDU4	9 A	25	1609070000
SDIS SLIM 0.6X3.5X100		1	2749610000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000

ZPE 4/3 AN — 4 mm²

Three connections



Width/Height/Depth	6.1 x 85.5 x 43
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

	IEC	UL	CSA	EN 60079-7
Rated data				
for wire cross-section	4	AWG 26...10	AWG 26...10	4 mm²
Rated voltage to adjoining terminal	800			
Rated impulse withstand voltage to adjacent terminal	8			
Rated short-time current	480 A (4 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...6 / 0.5...6			
Flexible / Flexible with ferrule	0.5...6 / 0.5...4			
Twin wire-end ferrule				
Stripping length / Blade size	12 / 0.6 x 3.5 mm			
Note				

IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZPE 4/3AN	50	7904170000
Note			

Accessories

	Type		Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW 4/3AN		20	7904100000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA 2 ZDU4	9 A	25	1609060000
With spigot	ZTA 2/ZA ZDU4	9 A	25	1609070000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 4/1 WS		1000	1636640000
for conductors < 1.0 mm² / AWG 18				
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 12/6 MC NE WS		600	1609900000
	DEK 5/6 MM WS		600	2007120000

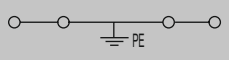
For detailed information on other accessories and application in the online catalogue

ZPE 4/4 AN — 4 mm²

Four connections



Width/Height/Depth	6.1 x 104.5 x 43
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

	IEC	UL	CSA	EN 60079-7
Rated data				
for wire cross-section	4	AWG 26...10	AWG 26...10	4 mm²
Rated voltage to adjoining terminal	800			
Rated impulse withstand voltage to adjacent terminal	8			
Rated short-time current	480 A (4 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...6 / 0.5...6			
Flexible / Flexible with ferrule	0.5...6 / 0.5...4			
Twin wire-end ferrule				
Stripping length / Blade size	12 / 0.6 x 3.5 mm			
Note				

IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

Ordering data

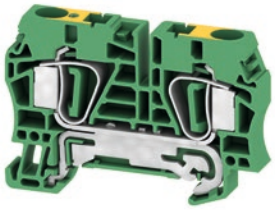
Version	Type	Qty.	Order No.
Green/yellow	ZPE 4/4AN	50	7904280000
Note			

Accessories

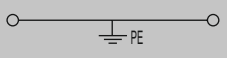
	Type		Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW4/4AN		20	7904210000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA 2 ZDU4	9 A	25	1609060000
With spigot	ZTA 2/ZA ZDU4	9 A	25	1609070000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 4/1 WS		1000	1636640000
for conductors < 1.0 mm² / AWG 18				
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 12/6 MC NE WS		600	1609900000
	DEK 5/6 MM WS		600	2007120000

ZPE 6 — 6 mm²

Two connections



8.1 x 65 x 45
/ 10
0.22...10



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	10 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6	50	1608670000

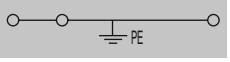
Type	Qty.	Order No.
ZAP/TW 5	50	1608830000
ZEW 35	20	9540000000
ZTA 3 ZDU6 9 A	25	1654050000
SDS 1.0X5.5X150	1	2749380000
DEK 5/8 MC NE WS	800	1856740000
WS 12/6 MC NE WS	600	1609900000
DEK 5/8 MM WS	500	2007130000
WS 8/8 MM WS	500	2007170000

ZPE 6/3 AN — 6 mm²

Three connections



8.1 x 90 x 45
/ 10
0.22...10



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6/3AN	50	7907400000

Type	Qty.	Order No.
ZAP/TW6/3AN	20	7907370000
ZEW 35	20	9540000000
ZTA 3 ZDU6 9 A	25	1654050000
SDS 1.0X5.5X150	1	2749380000
DEK 5/8 MC NE WS	800	1856740000
WS 12/6 MC NE WS	600	1609900000
DEK 5/8 MM WS	500	2007130000
WS 8/8 MM WS	500	2007170000

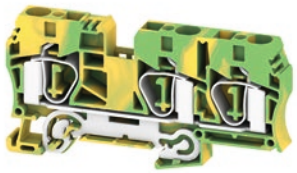
ZPE 10 — 10 mm²

Two connections

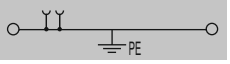


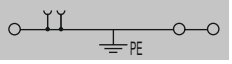
ZPE 10/3 AN — 10 mm²

Three connections



		ZPE 10	ZPE 10/3 AN
Width/Height/Depth	mm	10.1 x 73.5 x 49.5	10.1 x 99 x 49.5
max. current / max. cond. cross-section	-/mm²	/ 16	/ 16
Max. clamping range	mm²	1.31...16	1.31...16





Technical data

		ZPE 10	ZPE 10/3 AN
Rated data			
for wire cross-section	mm²	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal	V	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
Rated impulse withstand voltage to adjacent terminal	kV		
Rated short-time current			
Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Twin wire-end ferrule	-		
Stripping length / Blade size	mm/-		

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 16...6	10 mm²
800			
8			
1200 A (10 mm²)			
3			
A6 / V-0			

Rated connection	ZPE 10	ZPE 10/3 AN
	1.5...16 / 1.5...16	1.5...16 / 1.5...16
	1.5...10 / 1.5...10	1.5...10 / 1.5...10
	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm

Note

Ordering data

Version	ZPE 10	ZPE 10/3 AN
	Green/yellow	Green/yellow

Type	Qty.	Order No.
ZPE 10	25	1746770000

Type	Qty.	Order No.
ZPE 10/3AN	20	1767670000

Note

Accessories

End plate / Partition plate	ZPE 10	ZPE 10/3 AN
	dark beige	dark beige
End bracket		
	dark beige	dark beige
Screwdriver		
	Standard	Standard
Marking tags		

Type	Qty.	Order No.
ZAP/TW ZDU10	20	1748660000
ZEW 35	20	9540000000
SDS 1.0X5.5X150	1	2749380000
DEK 5/5 MC NE WS	1000	1609801044
WS 12/6 MC NE WS	600	1609900000

Type	Qty.	Order No.
ZAP/TW 10/16	20	1749580000
ZEW 35	20	9540000000
SDS 1.0X5.5X150	1	2749380000
DEK 5/5 MC NE WS	1000	1609801044
WS 12/6 MC NE WS	600	1609900000

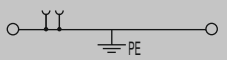
For detailed information on other accessories and application in the online catalogue

ZPE 16 — 16 mm²

Two connections



12.1 x 82.5 x 50.5
/ 25
1.5...25



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...6	AWG 14...4	16 mm²
800			
8			
1920 A (16 mm²)			
3			
A7 / V-0			

Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16	25	**1745250000**

Type	Qty.	Order No.
ZAP/TW ZDU16	20	**1745150000**
ZEW 35	20	**9540000000**
SDS 1.0X5.5X150	1	**2749380000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 15/5 MC NE WS	480	**1609880000**

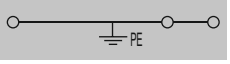
The plug-in cross-connections ZQV 16/2 (1739690000) can be used.

ZPE 16/3AN — 16 mm²

Three connections



12.1 x 99 x 50.5
/ 25
1.5...25



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...4	16 mm²
800			
8			
1920 A (16 mm²)			
3			
A7 / V-0			

Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

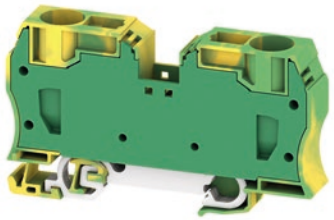
To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16/3AN	20	**1768310000**

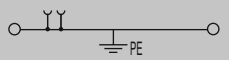
Type	Qty.	Order No.
ZAP/TW 10/16	20	**1749580000**
ZEW 35	20	**9540000000**
SDS 1.0X5.5X150	1	**2749380000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 15/5 MC NE WS	480	**1609880000**

ZPE 35 — 35 mm²

Two connections



16 x 100.5 x 58.5
/ 35
2.5...35



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...2	AWG 12...2	35 mm²
800			
8			
4200 A (35 mm²)			
3			
A8 / V-0			

Rated connection
2.5...16 / 2.5...35
2.5...35 / 2.5...35
25 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 35	10	**1739650000**
Integrated end plate.		

Type	Qty.	Order No.
ZEW 35	20	**9540000000**
SDS 1.0X5.5X150	1	**2749380000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 15/5 MC NE WS	480	**1609880000**

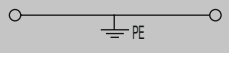
The plug-in cross-connections ZQV 35/2 (1739700000) can be used.

ZPE 2.5-2 — 2.5 mm²

Two connections



Width/Height/Depth	5.1 x 50.5 x 43.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.13...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section	2.5	AWG 26...12	AWG 26...12	4 mm²
Rated voltage to adjoining terminal	800			
Rated impulse withstand voltage to adjacent terminal	8			
Rated short-time current	300 A (2.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...4			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...1.5			
Twin wire-end ferrule				
Stripping length / Blade size	10 / 0.6 x 3.5 mm			

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZPE 2.5-2	50	1772090000

Note

Accessories

	Type	Qty.	Order No.
End plate / Partition plate			
dark beige	ZAP/TW7	50	1706110000
End bracket			
dark beige	ZEW 35	20	9540000000
Test adapter			
With spigot	ZTA 4 11 A	25	1688110000
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	2749610000
Reducing sleeves			
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1	1000	1678810000
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2	1000	1678800000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 8/5 MM WS	800	2007150000
	DEK 5/5 MM WS	800	2007110000

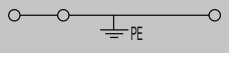
For detailed information on other accessories and application in the online catalogue

ZPE 2.5-2/3AN — 2.5 mm²

Three connections



Width/Height/Depth	5.1 x 50.5 x 43.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.13...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section	2.5	AWG 26...12	AWG 26...14	4 mm²
Rated voltage to adjoining terminal	800			
Rated impulse withstand voltage to adjacent terminal	8			
Rated short-time current	300 A (2.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...1.5			
Twin wire-end ferrule				
Stripping length / Blade size	10 / 0.6 x 3.5 mm			

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZPE 2.5-2/3AN	50	1706090000

Note

Accessories

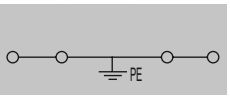
	Type	Qty.	Order No.
End plate / Partition plate			
dark beige	ZAP/TW7	50	1706110000
End bracket			
dark beige	ZEW 35	20	9540000000
Test adapter			
With spigot	ZTA 4 11 A	25	1688110000
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	2749610000
Reducing sleeves			
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1	1000	1678810000
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2	1000	1678800000
Marking tags			
	WS 8/5 MM WS	800	2007150000
	DEK 5/5 MM WS	800	2007110000

ZPE 2.5-2/4AN — 2.5 mm²

Four connections



5.1 x 50.5 x 43.5
/ 4
0.13...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...14	4 mm²
800			
8			
300 A (2.5 mm²)			
3			
A2 / V-0			

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZPE 2.5-2/4AN	50	**1706100000**

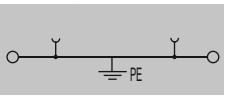
Type		Qty.	Order No.
ZAP/TW7		50	**1706110000**
ZEW 35		20	**9540000000**
ZTA 4	11 A	25	**1688110000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**

ZPE 4-2/2AN — 4 mm²

Two connections



6.1 x 61.5 x 45.5
/ 6
0.13...6



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	6 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4-2/2AN	50	**1770380000**

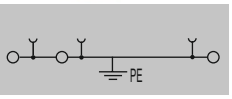
Type		Qty.	Order No.
ZAP ZDU4-2		50	**1770400000**
ZEW 35		20	**9540000000**
ZTA 6/ZA	17.5 A	25	**1780660000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
ZRH 4/1 WS		1000	**1636640000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MM WS		600	**2007120000**

ZPE 4-2/3AN — 4 mm²

Three connections



6.1 x 61.5 x 45.5
/ 6
0.13...6



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	6 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4-2/3AN	50	**1770390000**

Type		Qty.	Order No.
ZAP ZDU4-2		50	**1770400000**
ZEW 35		20	**9540000000**
ZTA 6/ZA	17.5 A	25	**1780660000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
ZRH 4/1 WS		1000	**1636640000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MM WS		600	**2007120000**

	ZPE 4-2/4 AN	**4 mm²**
	Four connections	
		
Width/Height/Depth mm	6.1 x 75 x 45.5	
max. current / max. cond. cross-section -/mm²	**/ 6**	
Max. clamping range mm²	**0.13...6**	
Technical data		
Rated data		
for wire cross-section mm²	4	
Rated voltage to adjoining terminal V	800	
Rated impulse withstand voltage to adjacent terminal kV	8	
Rated short-time current	480 A (4 mm²)	
Pollution severity	3	
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	
Note		

	ZPE 6-2/2AN	**6 mm²**
	Two connections	
		
Width/Height/Depth mm	8.1 x 68 x 49.19	
max. current / max. cond. cross-section -/mm²	**/ 10**	
Max. clamping range mm²	**0.22...10**	
Technical data		
Rated data		
for wire cross-section mm²	6	
Rated voltage to adjoining terminal V	800	
Rated impulse withstand voltage to adjacent terminal kV	8	
Rated short-time current	720 A (6 mm²)	
Pollution severity	3	
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...10	
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6	
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	12 / 0.6 x 3.5 mm	
Note		

	PE	PE
IEC 60947-7-2	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
IEC 60947-7-2	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
IEC	**UL**	**CSA**	**EN 60079-7**
4	AWG 26...10	AWG 26...10	6 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
IEC	**UL**	**CSA**	**EN 60079-7**
6	AWG 22...8	AWG 20...8	10 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			
Rated connection			
0.5...10			
0.5...10 / 0.5...6			
12 / 0.6 x 3.5 mm			

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZPE 4-2/4AN	50	**1807090000**
Note			

Type	Qty.	Order No.
ZPE 6-2/2AN	50	**1771370000**

Accessories

	Type		Qty.	Order No.
End plate / Partition plate	ZAP ZDU4-2/4AN		50	**1807010000**
dark beige				
End bracket	ZEW 35		20	**9540000000**
dark beige				
Test adapter	ZTA 6/ZA	17.5 A	25	**1780660000**
With spigot				
Screwdriver	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Standard				
Reducing sleeves	ZRH 4/1 WS		1000	**1636640000**
for conductors < 0.5 mm² / AWG 20				
for conductors < 1.0 mm² / AWG 18				
Marking tags	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**

Type		Qty.	Order No.
ZAP ZDU6-2		50	**1771440000**
ZEW 35		20	**9540000000**
ZTA 7/ZA	9 A	25	**1780670000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/8 MC NE WS		800	**1856740000**
DEK 5/8 MM WS		500	**2007130000**
WS 8/8 MM WS		500	**2007170000**

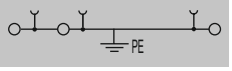
For detailed information on other accessories and application in the online catalogue

ZPE 6-2/3AN — 6 mm²

Three connections



8.1 x 68 x 49.19
/ 10
0.22...10



IEC 60947-7-2

Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	10 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6-2/3AN	50	1771360000

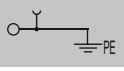
Type	Qty.	Order No.
ZAP ZDU6-2	50	1771440000
ZEW 35	20	9540000000
ZTA 7/ZA 9 A	25	1780670000
SDIS SLIM 0.8X4.0X100	1	2749620000
DEK 5/8 MC NE WS	800	1856740000
DEK 5/8 MM WS	500	2007130000
WS 8/8 MM WS	500	2007170000

ZPE 16-2/1AN — 16 mm²

Supply terminal - PE



12 x 65 x 50.5
/ 25
1.5...25



In accordance with IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 26...14	
800			
8			
1920 A (16 mm²)			
3			
A7 / V-0			

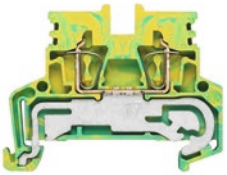
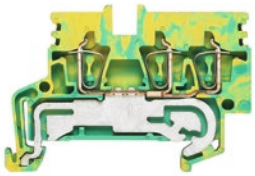
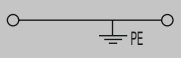
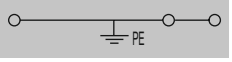
Rated connection
1.5...10 / 16...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZPE 16-2/1AN	20	1772960000

Type	Qty.	Order No.
ZAP/Z...16-2/1AN	10	1772970000
ZEW 35	20	9540000000
SDS 1.0X5.5X150	1	2749380000
DEK 5/8 MC NE WS	800	1856740000

The plug-in cross-connections ZQV 2.5/.. , ZQV 4/... and ZQV 6/... can be used.

		ZPE 2.5N	2.5 mm²	ZPE 2.5N/3AN	2.5 mm²
		Two connections		Three connections	
					
Width/Height/Depth	mm	5.1 x 50.5 x 38.5		5.1 x 56.5 x 38.5	
max. current / max. cond. cross-section	-/mm²	/ 4		/ 4	
Max. clamping range	mm²	0.05...4		0.05...4	
					
		IEC 60947-7-2	Ex eb II C Gb II 2 G D	IEC 60947-7-2	Ex eb II C Gb II 2 G D

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated voltage to adjoining terminal	V	800			
Rated impulse withstand voltage to adjacent terminal	kV	6			
Rated short-time current		300 A (2.5 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5			
Twin wire-end ferrule	-				
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Rated data		IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	4 mm²
Rated voltage to adjoining terminal	V	800			
Rated impulse withstand voltage to adjacent terminal	kV	6			
Rated short-time current		300 A (2.5 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5			
Twin wire-end ferrule	-				
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

Version		Type	Qty.	Order No.
	Green/yellow	ZPE 2.5N	50	1933760000
Note				

Version		Type	Qty.	Order No.
	Green/yellow	ZPE 2.5N/3AN	50	1933770000
Note				

Accessories

End plate / Partition plate		Type		Qty.	Order No.
	dark beige	ZAP/TW ZDU/ZPE 2.5N		20	1933790000
End bracket					
	dark beige	ZEW 35		20	9540000000
Test adapter					
	Standard	ZTA ZT2.5	17.5 A	25	1827080000
	With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Reducing sleeves					
	for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
	for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Marking tags					
		DEK 5/5 MC NE WS		1000	1609801044
		WS 10/5 M MC NE WS		720	1792000000
		WS 8/5 MM WS		800	2007150000

End plate / Partition plate		Type		Qty.	Order No.
	dark beige	ZAP/TW ZDU/ZPE 2.5N/3AN		50	1933800000
End bracket					
	dark beige	ZEW 35		20	9540000000
Test adapter					
	Standard	ZTA ZT2.5	17.5 A	25	1827080000
	With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Screwdriver					
	Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Reducing sleeves					
	for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
	for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Marking tags					
		DEK 5/5 MC NE WS		1000	1609801044
		WS 10/5 M MC NE WS		720	1792000000
		WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

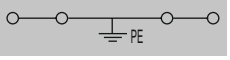
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZPE 2.5N/4AN — 2.5 mm²

Four connections



5.1 x 60 x 38.5
/ 4
0.05...4



IEC 60947-7-2

Ex eb II
C Gb

II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 30...12	2.5 mm²
800			
6			
300 A (2.5 mm²)			
3			
A2 / V-0			

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

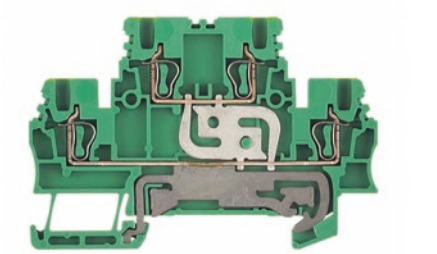
Type	Qty.	Order No.
ZPE 2.5N/4AN	50	**1933780000**

Type		Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N/4AN		50	**1933810000**
ZEW 35		20	**9540000000**
ZTA ZT2.5	17.5 A	25	**1827080000**
ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 M MC NE WS		720	**1792000000**
WS 8/5 MM WS		800	**2007150000**

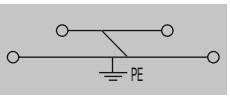
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDK 1.5 PE — 1.5 mm²

Double-level terminal

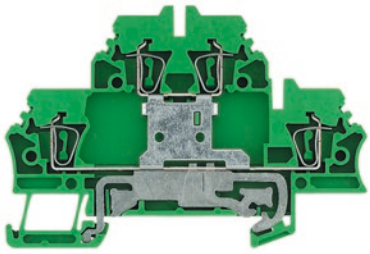


Width/Height/Depth	3.5 x 75.5 x 49.5
max. current / max. cond. cross-section	**/ 1.5**
Max. clamping range	**0.05...1.5**

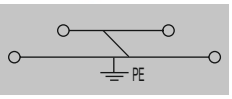


ZDK 2.5 PE — 2.5 mm²

Vertically cross-connected



Width/Height/Depth	5.1 x 79.5 x 53
max. current / max. cond. cross-section	**/ 2.5**
Max. clamping range	**0.05...2.5**



Technical data

Rated data					
		IEC 60947-7-2			
for wire cross-section	mm²	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	1.5	AWG 28...16	AWG 28...16	
Rated impulse withstand voltage to adjacent terminal	kV	500			
Rated short-time current		6			
Pollution severity			180 A (1.5 mm²)		
Gauge to IEC 60947-1 / UL 94 flammability rating			3		
Approvals			B1 / V-0		
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	**Rated connection**			
Flexible / Flexible with ferrule	mm²	0.5...1.5			
Twin wire-end ferrule	mm²	0.5...1.5 / 0.5...1.5			
Stripping length / Blade size	mm/-	0.5...0.75			
		10 / 0.4 x 2.0 mm			

Rated data					
		IEC 60947-7-2		Ex eb II C Gb	II 2 G D
for wire cross-section	mm²	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	2.5	AWG 26...14	AWG 26...12	2.5 mm²
Rated impulse withstand voltage to adjacent terminal	kV	500			
Rated short-time current		6			
Pollution severity			300 A (2.5 mm²)		
Gauge to IEC 60947-1 / UL 94 flammability rating			3		
Approvals			A2 / V-0		
Rated connection					
0.5...2.5					
0.5...2.5 / 0.5...1.5					
10 / 0.6 x 3.5 mm					

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZDK 1.5PE	50	**1791150000**

Version	Type	Qty.	Order No.
Green/yellow	ZDK 2.5PE	50	**1690000000**

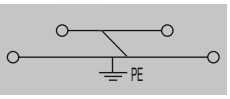
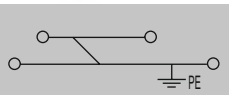
Note

Accessories

	Type		Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW ZDK1.5		20	**1791160000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 5/ZA	13.5 A	25	**1776220000**
Standard	ZTA 5	13.5 A	25	**1776210000**
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1		500	**1781950000**
for conductors < 1.0 mm² / AWG 18				
Cover				
With lightning flash symbol				
Screwdriver				
Standard	SDS 0.4X2.0X60		1	**2749260000**
Marking tags				
	DEK 5/3.5 MC NE WS		500	**1755270000**
	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**

Type		Qty.	Order No.
ZAP/TW ZDK2.5		20	**1674730000**
ZEW 35		20	**9540000000**
ZTA 4	11 A	25	**1688110000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
ZAD 9/4		20	**1934160000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 PLUS MC NE GE		1000	**1907520000**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

	ZDK 2.5-2PE	2.5 mm²	ZDK 4-2 PE	4 mm²
	Four connections		Four connections	
				
Width/Height/Depth mm	5.1 x 72.5 x 54.5		6.1 x 77.6 x	
max. current / max. cond. cross-section -/mm²	/ 4		/ 6	
Max. clamping range mm²	0.05...4		0.13...6	

Technical data

	ZDK 2.5-2PE	ZDK 4-2 PE
Rated data		
for wire cross-section mm²	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal V	2.5 / AWG 26...12 / AWG 30...12 / 4 mm²	4 / AWG 26...10 / AWG 26...10
Rated impulse withstand voltage to adjacent terminal kV	800	800
Rated short-time current	8	8
Pollution severity	300 A (2.5 mm²)	480 A (4 mm²)
Gauge to IEC 60947-1 / UL 94 flammability rating	3	3
Approvals	A2 / V-0	A3 /
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...6
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
Green/yellow	ZDK 2.5-2PE	50	1791010000	ZDK 4-2 PE	50	8671050000
Note						

Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
End plate / Partition plate								
dark beige	ZAP/TW ZDK2.5-2		20	1791050000	ZAP/TW ZDK4-2		50	8670760000
End bracket								
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Test adapter								
With spigot	ZTA 4	11 A	25	1688110000	ZTA 6/ZA	17.5 A	25	1780660000
Standard								
Reducing sleeves								
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000				
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000				
Cover								
With lightning flash symbol								
Screwdriver								
Standard	SDS 0.5X3.0X80		1	2749330000	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/6 MC NE WS		1000	1609820000
	DEK 5/5 MM WS		800	2007110000	DEK 5/6 MM WS		600	2007120000
	WS 8/5 MM WS		800	2007150000	WS 8/6 MM WS		600	2007160000

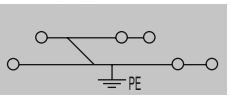
For detailed information on other accessories and application in the online catalogue

ZDK 2.5/3AN PE — 2.5 mm²

Double-level terminal



Width/Height/Depth	5.1 x 93 x 50.5 mm
max. current / max. cond. cross-section	/ 4 -/mm²
Max. clamping range	0.05...4 mm²



IEC 60947-7-2

Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section	2.5 mm²	AWG 30...12	AWG 30...12	2.5 mm²
Rated voltage to adjoining terminal	800 V			
Rated impulse withstand voltage to adjacent terminal	8 kV			
Rated short-time current	300 A (2.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...4 / 0.5...2.5 mm²			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...2.5 mm²			
Twin wire-end ferrule	-			
Stripping length / Blade size	10 / 0.6 x 3.5 mm mm/-			

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZDK 2.5/3AN PE	50	1924470000

Note

Accessories

	Type		Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW ZDK 2.5/3AN		20	1924910000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	1827080000
With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Reducing sleeves				
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Marking tags				
	SNAPMARK I		50	1805880000
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

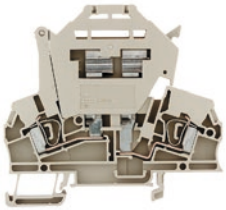
For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).



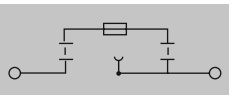
ZSI 2.5 — 2.5 mm²

For metric fuses 5 x 20 mm



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

7.9 x 79.5 x 73	
6.3 / 4	
0.13...4	



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	600 (C)	
6.3	10	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	V-0		

Rated connection
0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Type	Order No.
ZSI 2.5	**1616400000**

ZSI 2.5

Overload and short-circuit protection

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	52 °C	4.0 W / 6.3 A	27 °C	2.5 W / 2.5 A
In combination	55 °C	2.5 W / 6.3 A	41 °C	1.6 W / 6.3 A

Ordering data

Version	
	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
ZSI 2.5	50	**1616400000**

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

Plug-in cross-connection			
	2-pole		
	4-pole		
End plate / Partition plate			
	dark beige		
	dark beige		
Screwdriver			
	Standard		
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)			
	0.25 A fast		
	0.50 A fast		
	1.00 A fast		
	2.00 A fast		
Marking tags			

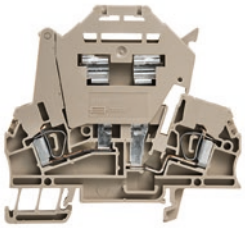
Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZAP/TW 3		50	**1608800000**
ZAP TNHE/ZSI2.5		25	**1610840000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
G 20/0.25A/F	0.25 A	10	**0430500000**
G 20/0.50A/F	0.5 A	10	**0430600000**
G 20/1.00A/F	1 A	10	**0430700000**
G 20/2.00A/F	2 A	10	**0430900000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

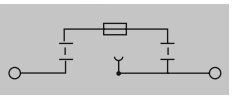
Status display using a bi-directional LED.

ZSI 2.5/QV — 2.5 mm²

For metric fuses 5 x 20



Width/Height/Depth	mm	7.9 x 79.5 x 73
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**
Max. clamping range	mm²	**0.13...4**



Technical data

Rated data		IEC 60947-7-3			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	400			
Rated current	A	6.3			
for wire cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
UL 94 flammability rating				V-0	
Approvals		CE EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Blade size		0.6 x 3.5 mm			

Note	
	Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version		Type	Qty.	Order No.
	dark beige	ZSI 2.5/QV	50	**1799470000**
Note		For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV.		

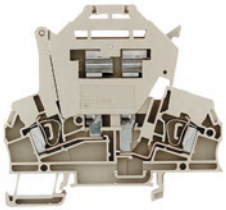
Accessories

		Type		Qty.	Order No.
Plug-in cross-connection		ZQV 6/2 GE	41 A	60	**1627850000**
	2-pole	ZQV 6/4 GE	41 A	60	**1627870000**
	4-pole				
End plate / Partition plate		ZAP/TW 3		50	**1608800000**
	dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**
	dark beige				
Screwdriver		SDIS SLIM 0.6X3.5X100		1	**2749610000**
	Standard				
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)		G 20/0.25A/F	0.25 A	10	**0430500000**
	0.25 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
	0.50 A fast	G 20/1.00A/F	1 A	10	**0430700000**
	1.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
	2.00 A fast				
Marking tags		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue	Status display using a bi-directional LED.

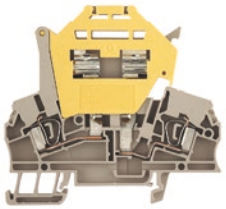
ZSI 2.5 LED — 2.5 mm²

For metric fuses 5 x 20 mm

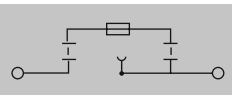


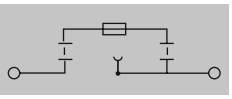
ZSI 2.5/5x25 — 2.5 mm²

For metric fuses 5 x 25 mm



Width/Height/Depth	mm	7.9 x 79.5 x 73	7.9 x 79.5 x 73
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**	**6.3 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**





Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	500			
Rated current (A)	6.3			
for wire cross-section (mm²)	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals	CE, GL, EAC, cULus			
Clamped conductors (H05V/H07V)				
Solid / Stranded (mm²)	0.5...4			
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5			
Blade size	0.6 x 3.5 mm			

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	500			
Rated current (A)	6.3			
for wire cross-section (mm²)	2.5			
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals	CE, EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded (mm²)	0.5...4			
Flexible / Flexible with ferrule (mm²)	0.5...4			
Blade size	0.6 x 3.5 mm			

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 2.5/LD 28AC	50	**1616440000**
10–36 V AC/DC, with LED	ZSI 2.5/LD 60AC	50	**1616430000**
30–70 V AC/DC, with LED	ZSI 2.5/LD 120AC	50	**1616420000**
60–150 V AC/DC, with LED	ZSI 2.5/LD 250AC	50	**1616410000**
140–250 V AC/DC, with LED			

Note

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Type	Qty.	Order No.
ZSI 2.5/5X25	50	**1730900000**

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
dark beige	ZAP/TW 3		50	**1608800000**
dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A				
1.00 A medium slow / 3 A				
2.00 A fast / 5 A				
4.00 A fast / 10 A				
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
dark beige	ZAP/TW 3		50	**1608800000**
dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast				
0.50 A fast				
1.00 A fast				
2.00 A fast				
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	G 25/0.50A/M WS	0.5 A	10	**0510300000**
1.00 A medium slow / 3 A	G 25/1.00A/M RT	1 A	10	**0265800000**
2.00 A fast / 5 A	G 25/2.00A/F BL	2 A	10	**0192700000**
4.00 A fast / 10 A	G 25/4.00A/F BR	4 A	10	**0192800000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED.

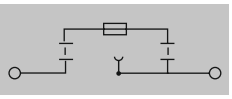
ZSI 2.5/2 — 2.5 mm²

For imperial fuses



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

11.9 x 79.5 x 73
12 / 4
0.13...4



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	600 (C)	
12	16	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	V-0		

Rated connection
0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version
500 V AC/DC, without LED

Note

Type	Qty.	Order No.
ZSI 2.5/2 500AC	10	**1616460000**

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

Plug-in cross-connection			
2-pole	ZQS 2.5/2	24 A	20	**1633200000**
4-pole	ZQS 2.5/4	24 A	20	**1633220000**
End plate / Partition plate				
dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
G25 with indicator / imperial (inch) fuse				
4.00 A fast / 10 A	GZ 10.0A/F		10	**1460640000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of inch fuse cartridges.

ZSI 2.5/2

Overload and short-circuit protection

Type	Order No.
ZSI 2.5/2 500AC	**1616460000**

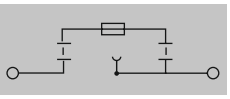
Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	46 °C	4.0 W / 10.0 A	40 °C	2.5 W / 2.5 A
In combination	72 °C	2.5 W / 2.5 A	29 °C	2.5 W / 2.5 A

ZSI 2.5/2 LED — 2.5 mm²

For imperial fuses



Width/Height/Depth	11.9 x 79.5 x 73 mm
max. current / max. cond. cross-section	**12 / 4** A/mm²
Max. clamping range	**0.13...4** mm²



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	500			
Rated current	12			
for wire cross-section	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note	
	Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	Type	Qty.	Order No.
10–36 V AC/DC, with LED	ZSI 2.5/2/LD 28AC	10	**1616470000**
60–150 V AC/DC, with LED	ZSI 2.5/2/LD 120AC	10	**1616490000**
140–250 V AC/DC, with LED	ZSI 2.5/2/LD 250AC	10	**1616500000**

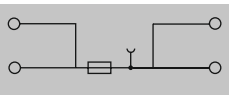
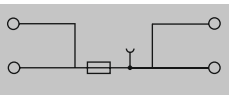
Note	
	The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQS 2.5/2	24 A	20	**1633200000**
4-pole	ZQS 2.5/4	24 A	20	**1633220000**
End plate / Partition plate				
dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
G25 with indicator / imperial (inch) fuse				
4.00 A fast / 10 A	GZ 10.0A/F		10	**1460640000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue	
	Status display using a bi-directional LED. With use of inch fuse cartridges.



	ZSI 2.5 2x2 AN	2.5 mm²	ZSI 2.5 2x2 AN	2.5 mm²
	For metric fuses 5 x 20		For metric fuses 5 x 25	
				
Width/Height/Depth mm	12.2 x 68 x 55		12.2 x 68 x 55	
max. current / max. cond. cross-section A/mm²	**10 / 4**		**10 / 4**	
Max. clamping range mm²	**0.13...4** 		**0.13...4** 	

Technical data

Rated data		IEC 60947-7-3			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	500	300 (C)	300 (C)	
Rated current	A	10	10	10	
for wire cross-section	mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			4 kV / 3		
UL 94 flammability rating			V-0		
Approvals		CE GL cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Blade size		0.6 x 3.5 mm			
Note		The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.			

Rated data		IEC 60947-7-3			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	500	300 (C)	300 (C)	
Rated current	A	10	10	10	
for wire cross-section	mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			4 kV / 3		
UL 94 flammability rating			V-0		
Approvals		CE GL cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Blade size		0.6 x 3.5 mm			
Note		The rated voltage of the fuse must not be exceeded. UL & CSA D = 600 V / 5 A			

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 2.5-2/2X2AN/G20	20	**1826050000**
Note	G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25 G 25 LED versions on request		

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 2.5-2/2X2AN/G25	20	**1826200000**
Note	G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25 G25 LED types on request		

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A				
1.00 A medium slow / 3 A				
2.00 A fast / 5 A				
4.00 A fast / 10 A				

Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZAP ZDU6-2 SW		50	**1814710000**
SDS 0.6X3.5X100		1	**2749340000**
WS 10/5 MC NE WS		720	**1635000000**
G 25/0.50A/M WS	0.5 A	10	**0510300000**
G 25/1.00A/M RT	1 A	10	**0265800000**
G 25/2.00A/F BL	2 A	10	**0192700000**
G 25/4.00A/F BR	4 A	10	**0192800000**

For detailed information on other accessories and application in the online catalogue

ZSI 2.5-2

Overload and short-circuit protection

ZSI 2.5-2 / G20

Type	Order No.
ZSI 2.5-2/2X2AN/G20	1826050000
ZSI 2.5-2/2X2AN/G20/GL	1826030000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual			39 °C	2.5 W / 6.3 A
In combination			41 °C	1.6 W / 6.3 A

ZSI 2.5-2 / G25

Type	Order No.
ZSI 2.5-2/2X2AN/G25	1826200000
ZSI 2.5-2/2X2AN/G25/GL	1826090000

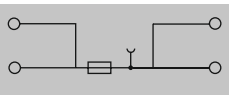
Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	60 °C			
In combination	47 °C			

ZSI 2.5 2x2 AN LED — 2.5 mm²

For metric fuses 5 x 20



Width/Height/Depth	mm	12.2 x 68 x 55
max. current / max. cond. cross-section	A/mm²	**10 / 4**
Max. clamping range	mm²	**0.13...4**



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500	300 (C)		
Rated current A	10	10		
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm² 0.5...4
Flexible / Flexible with ferrule	mm² 0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note

The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.

Ordering data

Version	Type	Qty.	Order No.
10–36 V AC/DC, with LED	ZSI 2.5-2/2X2AN/G20/LD1	20	**1867440000**
60–150 V AC/DC, with LED	ZSI 2.5-2/2X2AN/G20/LD3	20	**1867420000**
140–250 V AC/DC, with LED	ZSI 2.5-2/2X2AN/G20/LD4	20	**1879730000**

Note

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25
G 25 LED versions on request

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue



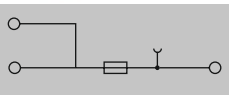
ZSI 6-2 — 6 mm²

For metric fuses 5 x 20



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

12.2 x 68 x 55	
10 / 10	
0.13...10	



ZSI 6-2

Overload and short-circuit protection

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
6	AWG 26...12	AWG 26...8	
	4 kV / 3		
	V-0		

Rated connection	
0.5...10	0.5...4
0.5...10 / 0.5...6	0.5...4 / 0.5...2.5
0.6 x 3.5 mm	

The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A 3 terminal points AWG 26-12, A 5 terminal points AWG 20-8.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 6-2 2X2.5/G20	20	**1820930000**
10–36 V AC/DC, with LED			
140–250 V AC/DC, with LED			

Note

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25
G 25 LED versions on request

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDIS SLIM 0.8X4.0X100		1	**2749620000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
G25 with indicator / imperial (inch) fuse				
2.00 A fast / 5 A				
4.00 A fast / 10 A				
1.00 A medium slow / 3 A				
0.50 A medium slow / 2 A				
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

ZSI 6-2 2x2.5 / G20

Type	Order No.
ZSI 6-2 2X2.5/G20	**1820930000**
ZSI 6-2 2X2.5/G20/GL	**1820860000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual			37 °C	2.5 W / 6.3 A
In combination			40 °C	1.6 W / 6.3 A

ZSI 6 2x2.5 / G25

Type	Order No.
ZSI 6-2 2X2.5/G25	**1820950000**
ZSI 6-2 2X2.5/G25/GL	**1820940000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	60 °C			
In combination	47 °C			

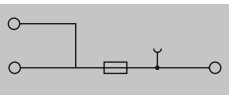
ZSI 6-2 2x2.5 — 6 mm²

For metric fuses 5 x 20 / 5 x 25



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

12.2 x 68 x 55
10 / 10
0.13...10



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500	300 (C)	300 (C)	
Rated current A	10	10	10	
for wire cross-section mm²	6	AWG 26...12	AWG 26...8	
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...10 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6 / 0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note

The rated voltage of the fuse must not be exceeded. Acc. to UL 600 V / 5 A. A3 terminal points AWG 26-12, A5 terminal points AWG 20-8

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 6-2 2X2.5/G25	20	1820950000
10–36 V AC/DC, with LED			
140–250 V AC/DC, with LED			

Note

G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25
G25 LED types on request

Accessories

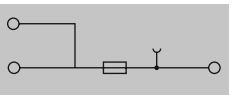
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	1608950000
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	1814710000
Screwdriver				
Standard	SDS 0.8X4.0X100		1	2749360000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.50 A fast	G 20/0.50A/F	0.5 A	10	0430600000
1.00 A fast	G 20/1.00A/F	1 A	10	0430700000
2.00 A fast	G 20/2.00A/F	2 A	10	0430900000
0.25 A fast	G 20/0.25A/F	0.25 A	10	0430500000
G25 with indicator / imperial (inch) fuse				
2.00 A fast / 5 A	G 25/2.00A/F BL	2 A	10	0192700000
4.00 A fast / 10 A	G 25/4.00A/F BR	4 A	10	0192800000
1.00 A medium slow / 3 A	G 25/1.00A/M RT	1 A	10	0265800000
0.50 A medium slow / 2 A	G 25/0.50A/M WS	0.5 A	10	0510300000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

ZSI 6-2 LED — 6 mm²

For metric fuses 5 x 20



12.2 x 68 x 55
10 / 10
0.13...10



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500	300 (C)		
Rated current A	10	10		
for wire cross-section mm²	6	AWG 26...12	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...10 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6 / 0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note

The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A 3 terminal points AWG 26-12, A 5 terminal points AWG 20-8.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED			
10–36 V AC/DC, with LED	ZSI 6-2 2X2.5/G20/LD1	20	1867500000
140–250 V AC/DC, with LED	ZSI 6-2 2X2.5/G20/LD4	20	1879750000

Note

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25
G 25 LED versions on request

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	1608950000
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	1814710000
Screwdriver				
Standard	SDIS SLIM 0.8X4.0X100		1	2749620000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.50 A fast	G 20/0.50A/F	0.5 A	10	0430600000
1.00 A fast	G 20/1.00A/F	1 A	10	0430700000
2.00 A fast	G 20/2.00A/F	2 A	10	0430900000
0.25 A fast	G 20/0.25A/F	0.25 A	10	0430500000
G25 with indicator / imperial (inch) fuse				
2.00 A fast / 5 A				
4.00 A fast / 10 A				
1.00 A medium slow / 3 A				
0.50 A medium slow / 2 A				
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

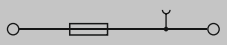
For detailed information on other accessories and application in the online catalogue

ZSI 6-2/FC — 6 mm²

For car fuses



Width/Height/Depth	8.1 x 70 x 50
max. current / max. cond. cross-section	**30 / 10**
Max. clamping range	**0.33...10**



Technical data

DIN 72581-3, IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	250	300 (C)	300 (C)	
Rated current (A)	30		25	
for wire cross-section (mm²)	6	AWG 22...10	AWG 22...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...10
Flexible / Flexible with ferrule (mm²)	0.5...10 / 0.5...6
Blade size	4.0 x 0.8 mm

Note

Fuse continuous current max. 80 % IN.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 6-2/FC	25	**1814690000**
10-36 V AC/DC, with LED	ZSI 6-2/FC LD	25	**1814700000**

Note

Automotive fuses are not available from Weidmüller.

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDIS SLIM 0.8X4.0X100		1	**2749620000**

Circuit breaker ETA and car fuses*	Circuit breaker 1180
Rated voltage	65 V DC / 250 V AC
Rated current (A)	0.1...10
Switching capacity (A)	2000
Protection (IP)	40

*) **Note:** not possible to order from Weidmüller

Rated current circuit breaker (A)	Order No.		Order No.
0.1	**1278840000**	2	**1278970000**
0.2	**1278850000**	2.5	**1278980000**
0.25	**1278860000**	3	**1278990000**
0.3	**1278870000**	3.5	**1279010000**
0.4	**1278880000**	4	**1279020000**
0.5	**1278910000**	5	**1279030000**
0.6	**1278920000**	6	**1279040000**
0.7	**1278930000**	7	**1279050000**
0.8	**1278940000**	8	**1279060000**
1	**1278950000**	10	**1279070000**
1.5	**1278960000**		

ETA 1180



Identification systems			
DEK 5/6 MC NE WS	1000	**1609820000**
WS 12/6 MC NE WS	600	**1609900000**

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of Pudenz fuses.

ZSI 6-2/FC

Overload and short-circuit protection

Type	Order No.
ZSI 6-2/FC	**1814690000**

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	24 °C	3,0 W / 30 A	*	*
In combination	28 °C	1.90 W / 24 A (30 A)**	*	*

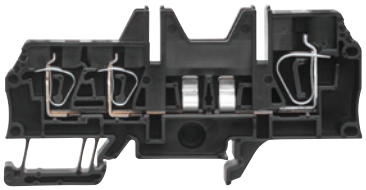
*) Values not available
**) According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒ The 30 A fuse can be loaded to a maximum 24 A

Especially suitable for utility vehicles in combination with standard car fuses and thermal circuit breakers.

- Simple fuse protection for the plant or facility
- Simplifies the wiring by using ZQV cross-connections
- Simple distribution of potentials
- Vibration-proof
- Optimised wire insertion to connect short-circuit proof cables
- Pluggable solution for ETA circuit breaker (Typ 1170) or alternatively car fuses

ZSI 2x6/4x2.5 FC — 6/2.5 mm²

Circuit breaker ETA 1170
28 V DC

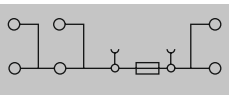


ZSI 2X6/4X2.5 FC / ZSI 2X6/4X2.5

Overload and short-circuit protection

Width/Length/Height with TS35x7.5	mm
Insulating stripping length	mm

16 / 93 / 47.5
10



Technical data

Rated data		IEC	UL	CSA
Rated voltage to adjoining terminal	V	500		
Rated current	A	57		
Rated cross-section	mm²	2.5	AWG 26...12	AWG 26...12
		6	AWG 20...8	AWG 20...8
Approvals			in work	in work
Other technical data		**Output**	**Input**	
Clamped conductors				
solid H07V-U	mm²	0.5...4	0.5...10	
stranded H07V-K	mm²	0.5...4	0.5...10	
„f" with ferrule acc. DIN 46 228/1	mm²	0.5...2.5	0.5...6	
„f" ferrules with plastic collar	mm²	0.5...2.5	0.5...6	
max. clamping range in mm²				
gauge acc. to IEC 60 947-1	Size	0.08...4	0.21...10	

Note

The maximum load of the single circuit breakers shouldn´t be exceeded.

Type	Order No.
ZSI 2X6/4X2.5 FC	1058520000

Arrangement	Applications			
	ETA fuse		Automotive fuse	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	24 °C	1.68 W / 20 A (25 A)*	45 °C	1.9 W / 24 A (30 A)**
In combination	24 °C	1.68 W / 20 A (25 A)*	35 °C	1.9 W / 24 A (30 A)**

*) ETA circuit breakers 1170
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒The 25 A fuse can be loaded to a maximum 20 A

**) Automotive fuses in accordance with DIN 41576
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒The 30 A fuse can be loaded to a maximum 24 A

Ordering data

Note

Type	Qty.	Order No.
ZSI 2x6/4x2.5 FC	10	1058520000

Accessories

Pluggable cross-connection		Type	Current	Qty.	Order No.
	2-pole	ZQV 6/2 GE	41 A	60	1627850000
	3-pole				
	4-pole				
End plate / partition					
	ZAP black Wemid	ZAP ZSI2x6/4x2.5		50	1059310000
Screwdriver					
	SD acc. to DIN 5264-A	SDIS SLIM 0.6X3.5X100		1	2749610000
		SDIS SLIM 0.8X4.0X100		1	2749620000

Circuit breaker ETA and car fuses*		Circuit breaker 1170
Rated voltage		12 V DC / 48 V DC
Rated current	A	3...25
Switching capacity	A	200
Protection	IP	40

Rated current circuit breaker	A	Circuit breaker 1170	Colour	Order No.
		3	violet	1278730000
		4	pink	1278740000
		5	orange	1278750000
		6	green	1278760000
		7.5	brown	1278770000
		8	yellow	1278780000
		10	red	1278790000
		15	blue	1278810000
		20	yellow	1278820000
		25	white	1278830000

ETA 1170



Marking systems	(see assortment in catalogue 7)
	Marking tags

DEK 5/5 MC

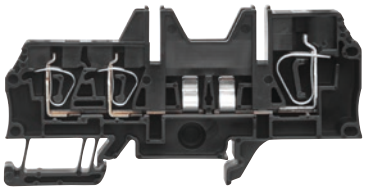
*) **Note:**
not possible to order from Weidmüller

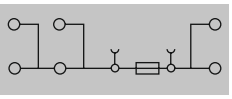
Especially suitable for utility vehicles in combination with standard car fuses and thermal circuit breakers.

- Simple fuse protection for the plant or facility
- Simplifies the wiring by using ZQV cross-connections
- Simple distribution of potentials
- Vibration-proof
- Optimised wire insertion to connect short-circuit proof cables
- Pluggable solution for ETA circuit breaker (Typ 1180)

ZSI 2x6/4x2.5 — 6/2.5 mm²

Circuit breaker ETA 1180
65 V DC / 250 V AC





ZSI 2X6/4X2.5 FC / ZSI 2X6/4X2.5

Overload and short-circuit protection

Width/Length/Height with TS35x7.5	mm
Insulating stripping length	mm

Technical data

Rated data	IEC	UL	CSA
Rated voltage to adjoining terminal V	500		
Rated current A	57		
Rated cross-section mm²	2.5	AWG 26...12	AWG 26...12
	6	AWG 20...8	AWG 20...8
Approvals		in work	in work

Other technical data	Output	Input
Clamped conductors		
solid H07V-U mm²	0.5...4	0.5...10
stranded H07V-K mm²	0.5...4	0.5...10
„f" with ferrule acc. DIN 46 228/1 mm²	0.5...2.5	0.5...6
„f" ferrules with plastic collar mm²	0.5...2.5	0.5...6
max. clamping range in mm²		
gauge acc. to IEC 60 947-1 Size	0.08...4	0.21...10

Note

The maximum load of the single circuit breakers shouldn´t be exceeded.

Type	Order No.
ZSI 2X6/4X2.5	1265990000

Arrangement	Applications	
	ETA fuse	
	T_A max.	Nominal values
Individual	24 °C	1.68 W / 20 A (25 A)*
In combination	24 °C	1.68 W / 20 A (25 A)*

*) ETA circuit breakers 1180
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒The 25 A fuse can be loaded to a maximum 20 A

Ordering data

Note

Type	Qty.	Order No.
ZSI 2x6/4x2.5	10	1265990000

Accessories

Pluggable cross-connection	Type	Strom	Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	1627850000
3-pole				
4-pole				
End plate / partition				
ZAP black Wemid	ZAP ZSI2x6/4x2.5		50	1059310000
Screwdriver				
SD acc. to DIN 5264-A	SDIS SLIM 0.6X3.5X100		1	2749610000
	SDIS SLIM 0.8X4.0X100		1	2749620000

Circuit breaker ETA and car fuses*	Circuit breaker 1180
Rated voltage	65 V DC / 250 V AC
Rated current A	0.1...10
Switching capacity A	2000
Protection IP	40

ETA 1180



Rated current circuit breaker A	Order No.		Order No.
0.1	1278840000	2	1278970000
0.2	1278850000	2.5	1278980000
0.25	1278860000	3	1278990000
0.3	1278870000	3.5	1279010000
0.4	1278880000	4	1279020000
0.5	1278910000	5	1279030000
0.6	1278920000	6	1279040000
0.7	1278930000	7	1279050000
0.8	1278940000	8	1279060000
1	1278950000	10	1279070000
1.5	1278960000		

Marking systems (see assortment in catalogue 7)	
Marking tags	DEK 5/5 MC

*) **Note:**
not possible to order from Weidmüller

Fuse cartridges and gauge rings for Weidmüller fuse terminal blocks

Fuse cartridges

for terminal type:
WSI 4
WSI 6
AFS 4 2C BK
PSI 6/10 SW
ZSI 2.5
ZSI 2.5-2/2X2AN/G20
ZSI 6-2 2X2.5/G20
KDKS 1/35 DB



Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 BI)[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.1	quick-acting	G 20/0.10A/F	10	0430300000
		0.2	quick-acting	G 20/0.20A/F	10	0430400000
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
		0.63	quick-acting	G 20/0.63A/F	10	0439000000
		1	quick-acting	G 20/1.00A/F	10	0430700000
		1.6	quick-acting	G 20/1.60A/F	10	0430800000
		2	quick-acting	G 20/2.00A/F	10	0430900000
		2.5	quick-acting	G 20/2.50A/F	10	0431000000
		3.15	quick-acting	G 20/3.15A/F	10	0431100000
		4	quick-acting	G 20/4.00A/F	10	0431200000
		5	quick-acting	G 20/5.00A/F	10	0431300000
		6.3	quick-acting	G 20/6.30A/F	10	0431400000

(M) = medium time-lag; (F) = quick-acting

Fuse cartridges

for terminal type:
WSI 6



Ordering data

G-type fuse cartridges 5 x 25 with code in acc. with DIN 41576[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.25	medium time-lag	G 25/0.25A/M GE	10	0546900000
		0.5	medium time-lag	G 25/0.50A/M WS	10	0510300000
Cartridge fuse	G-Si. 5 x 25	0.8	medium time-lag	G 25/0.80A/M GR	10	0646400000
Rated breaking capacity	80 A	1	medium time-lag	G 25/1.00A/M RT	10	0265800000
		2	quick-acting	G 25/2.00A/F BL	10	0192700000
		4	quick-acting	G 25/4.00A/F BR	10	0192800000
		6.3	quick-acting	G 25/6.30A/F GN	10	0192900000
		10	medium time-lag	G 25/10.0A/M RT	10	0193100000

(M) = medium time-lag; (F) = quick-acting

Fuse cartridges

for terminal type:
WSI 4/2
WSI 6/2 GZ/DEF63



Ordering data

Fuse cartridges 1¼" x ¼" without indicator in acc. with BS 88

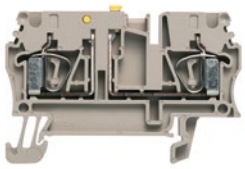
Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.5	quick-acting	GZ 0.5A/F	10	1460580000
		1	quick-acting	GZ 1.0A/F	10	1460590000
Cartridge fuse	G-Si. 6.3 x 32	2	quick-acting	GZ 2.0A/F	10	1460600000
Rated breaking capacity	50 kA	3	quick-acting	GZ 3.0A/F	10	1460610000
		5	quick-acting	GZ 5.0A/F	10	1460620000
		7	quick-acting	GZ 7.0A/F	10	1460630000
		10	quick-acting	GZ 10.0A/F	10	1460640000
		12.5	quick-acting	GZ 12.5A/F	10	1460650000

(M) = medium time-lag; (F) = quick-acting

Note: 1) The company SIBA supplies G-type cartridge fuses, 5 x 25 with indicator, also in marine engineering version for 450 V~.

ZTR 2.5 — 2.5 mm²

Two connections



Width/Height/Depth	5.1 x 59.5 x 38.5 mm
max. current / max. cond. cross-section	**20 / 4** A/mm²
Max. clamping range	**0.05...4** mm²



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal (V)	500	600	600	
Rated current (A)	20	20	20	
for wire cross-section (mm²)	2.5	AWG 30...12	AWG 30...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Number of operating cycles				
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5
Twin wire-end ferrule (-)	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZTR 2.5	50	**1831280000**
Blue	ZTR 2.5 BL	50	**8731710000**

Note

Accessories

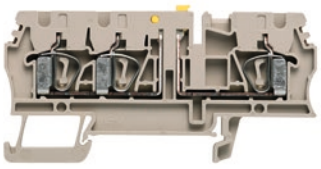
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
4-pole				
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW 1		50	**1608740000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Test adapter				
Standard	ZTA 1	9 A	25	**1609040000**
With spigot	ZTA 1/ZA	9 A	25	**1609050000**
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	**1833090000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**

For detailed information on other accessories and application in the online catalogue

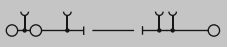
If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

ZTR 2.5/3AN — 2.5 mm²

Three connections



Width/Height/Depth	5.1 x 79.5 x 38.5 mm
max. current / max. cond. cross-section	**20 / 4** A/mm²
Max. clamping range	**0.05...4** mm²



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal (V)	500	600	300	
Rated current (A)	20	20	10	
for wire cross-section (mm²)	2.5	AWG 30...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Number of operating cycles				
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 2.5...2.5
Twin wire-end ferrule (-)	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZTR 2.5/3AN	50	**8731720000**
Blue	ZTR 2.5/3AN BL	50	**8731730000**

Note

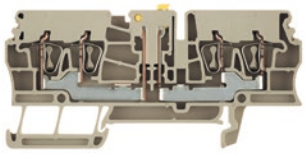
Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
4-pole				
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW 3		50	**1608800000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Test adapter				
Standard	ZTA 1	9 A	25	**1609040000**
With spigot	ZTA 1/ZA	9 A	25	**1609050000**
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	**1833090000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

ZTR 2.5/4AN — 2.5 mm²

Four connections



5.1 x 82.5 x 38.5
16 / 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 30...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type		Qty.	Order No.
ZTR 2.5/4AN		100	**7920900000**
ZTR 2.5/4AN BL		50	**7920930000**
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW 3		50	**1608800000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
PS 2.3 RT		20	**0180400000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
TNST	20 A	50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MM WS		800	**2007150000**
DEK 5/5 MM WS		800	**2007110000**

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

ZTR 2.5-2 — 2.5 mm²

Two connections



5.1 x 50.5 x 43.5
21 / 2.5
0.13...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

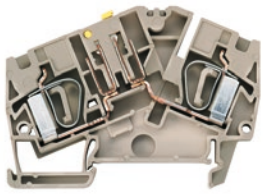
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type		Qty.	Order No.
ZTR 2.5-2		50	**1779010000**
ZTR 2.5-2 BL		50	**1779120000**
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW7		50	**1706110000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
TNST	20 A	50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MM WS		800	**2007150000**
DEK 5/5 MM WS		800	**2007110000**

If the disconnect lever is replaced by the SIHA 2, a fused terminal is created.

ZTR 6-2 — 6 mm²

Two connections



8.1 x 70 x 50
32 / 10
0.05...10



IEC	UL	CSA	EN 60079-7
690	300		
32	25		
6	AWG 22...8		
	8 kV / 3		
	A5 / V-0		

Rated connection
0.5...10 / 0.5...6
0.5...6 / 0.5...6
12 / 0.6 x 3.5 mm

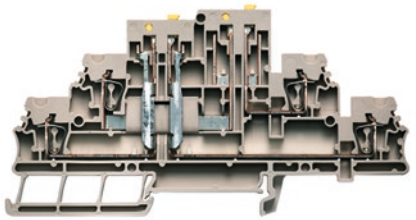
With plugged ZQV, 500 V and 6 kV. If the disconnect lever is replaced by an SIHA 3, the result is a fuse terminal.

Type		Qty.	Order No.
ZTR 6-2		50	**1023830000**
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZAP ZDU6-2		50	**1771440000**
ZEW 35		20	**9540000000**
SDIS 0.6X3.5X100		1	**2749810000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 8/5 MM WS		800	**2007150000**
DEK 5/5 MM WS		800	**2007110000**

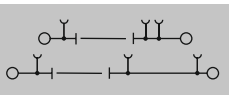
End plate (article: 1771440000 ZAP ZDU6-2) included.

ZDTR 2.5 — 2.5 mm²

Four connections



Width/Height/Depth	mm	5.1 x 117 x 67
max. current / max. cond. cross-section	A/mm²	**16 / 4**
Max. clamping range	mm²	**0.13...4**



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal (V)	400	300	300	
Rated current (A)	16	10	10	
for wire cross-section (mm²)	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Number of operating cycles				
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5
Twin wire-end ferrule (-)	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note	
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDTR 2.5	20	**1745400000**
Blue	ZDTR 2.5 BL	20	**1798330000**

Note

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	AP ZDTR2.5		20	**1745420000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Holder for cartridge fuse 5 x 20 mm				
10 - 36 V AC/DC, red LED	SIHA 2/G20 10-36V		25	**9543070000**
140 - 250 V AC/DC, red LED	SIHA 2/G20 140-250V		25	**9537640000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

If the disconnect lever is replaced by the SIHA 2 (only on the top level), a fused terminal is created.



WeiCoS pluggable terminal block system

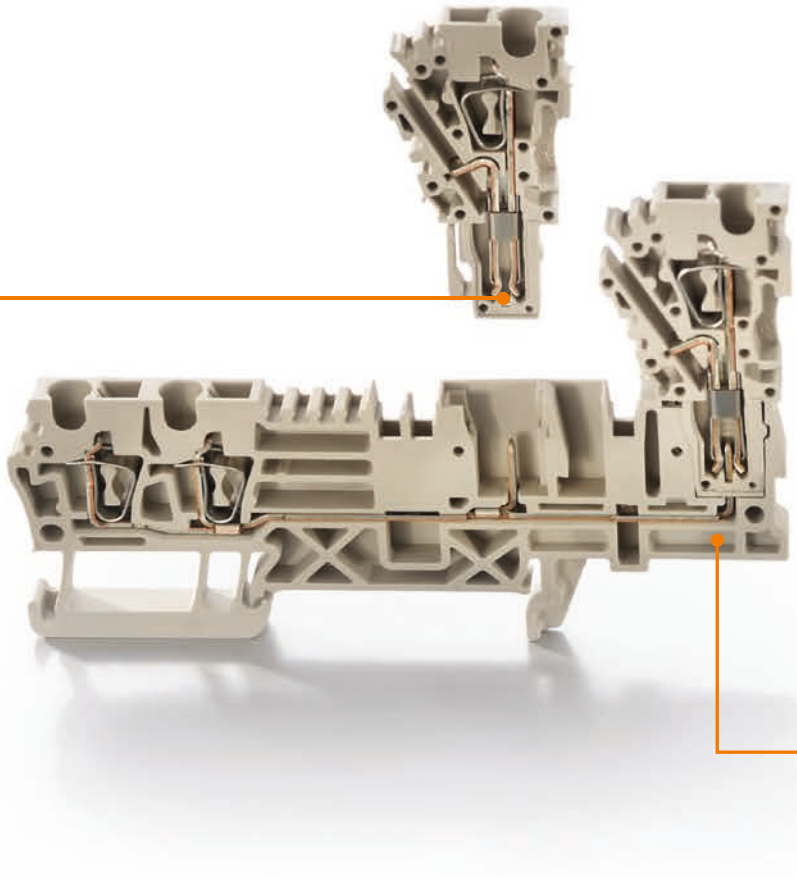
Connecting prefabricated functional units with speed and versatility

Our pluggable terminal rails with tension-clamp connections enable you to change functional units in the electrical cabinet quickly and simply.

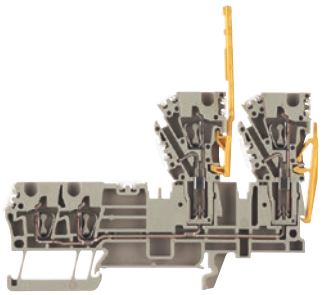
Modular and flexible connection systems are especially in demand where complete functional units have to be prefabricated or replaced.
Here WeiCoS (Weidmüller Connection System) – pluggable terminal blocks – show their full strengths. Quickly mounted, fully factory testable functional units which are faster and easier to replace.

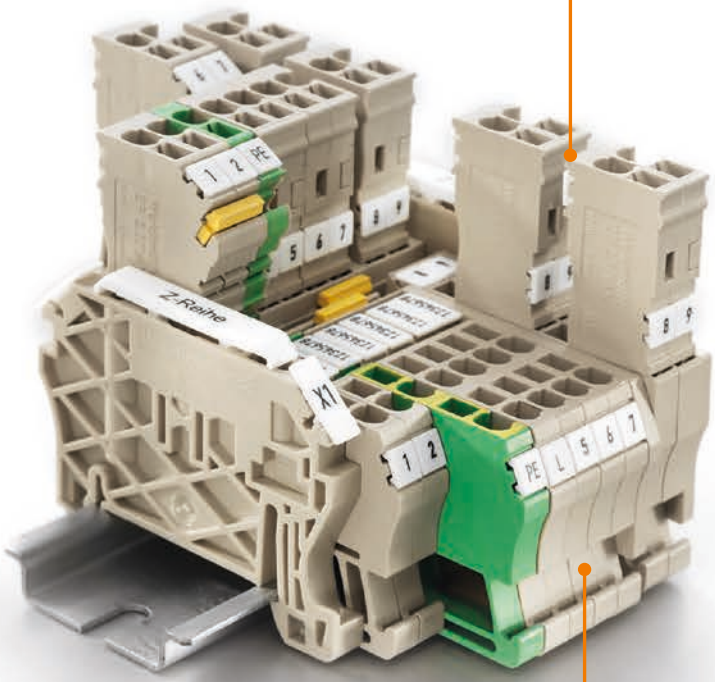
Reliable connection
Terminal rails and plugs have tension-clamp connections that separate the electrical and mechanical functions from each other. The steel tension clamps as well as the external plug contacts ensure optimum contact forces; the copper busbars, lower voltage drops.



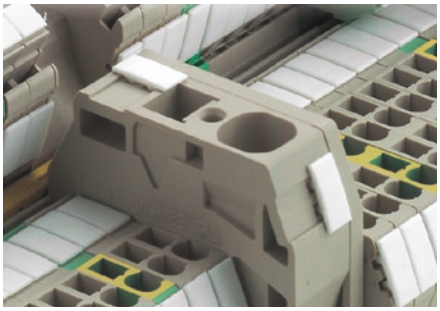


Solid interlock
All the connectors can be locked securely to the base terminals using locking elements.

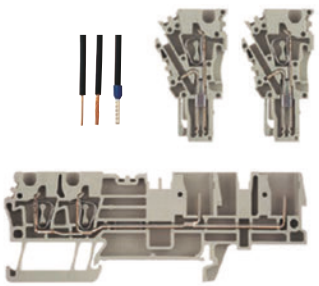


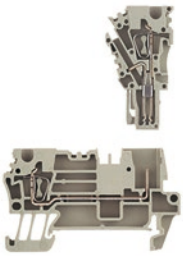
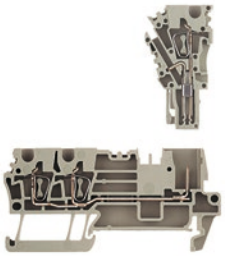


Power supply
Power is supplied using standard Z-series terminal blocks or with power supply terminals.



Simple operation
The parallel direction of wire entries and screwdriver operating direction means that you have a practical connection with the TOP connection system for which no special tools are needed. Test points are integrated.



	ZT 2.5/2AN/1	ZT 2.5/3AN/1
	2.5 mm²	2.5 mm²
	1 tension clamp connection / 1 pluggable connection	2 tension clamp connections / 1 pluggable connection
		
Width/Height/Depth mm	5.1 x 58 x 34.5	5.1 x 71.5 x 34.5
max. current / max. cond. cross-section A/mm²	24 / 4	24 / 4
Max. clamping range mm²	0.13...4	0.13...4

Technical data

	ZT 2.5/2AN/1	ZT 2.5/3AN/1
Rated data		
Rated voltage V	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Max. voltage of clamp support & pluggable system V		
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

	ZT 2.5/2AN/1	ZT 2.5/3AN/1
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Ordering data

	Type	Qty.	Order No.
	ZT 2.5/2AN/1	50	1815070000
dark beige	ZT 2.5/2AN/1 BL	50	1295550000
Blue			
Plug-in connector	**Type**	**Qty.**	**Order No.**
	ZP 2.5/1AN/QV/1	50	1815190000
	ZP 2.5/1AN/QV/2	25	1815200000
	ZP 2.5/1AN/QV/3	25	1815210000
	ZP 2.5/1AN/QV/4	25	1815220000
	ZP 2.5/1AN/QV/5	25	1815230000
	ZP 2.5/1AN/QV/6	25	1815240000
	ZP 2.5/1AN/QV/7	25	1815250000
	ZP 2.5/1AN/QV/8	20	1815260000
	ZP 2.5/1AN/QV/9	20	1815270000
	ZP 2.5/1AN/QV/10	20	1815280000
Note			

	Type	Qty.	Order No.
	ZT 2.5/3AN/1	50	1815090000
	ZT 2.5/3AN/1 BL	50	1304720000
	Type	**Qty.**	**Order No.**
	ZP 2.5/1AN/QV/1	50	1815190000
	ZP 2.5/1AN/QV/2	25	1815200000
	ZP 2.5/1AN/QV/3	25	1815210000
	ZP 2.5/1AN/QV/4	25	1815220000
	ZP 2.5/1AN/QV/5	25	1815230000
	ZP 2.5/1AN/QV/6	25	1815240000
	ZP 2.5/1AN/QV/7	25	1815250000
	ZP 2.5/1AN/QV/8	20	1815260000
	ZP 2.5/1AN/QV/9	20	1815270000
	ZP 2.5/1AN/QV/10	20	1815280000

Accessories

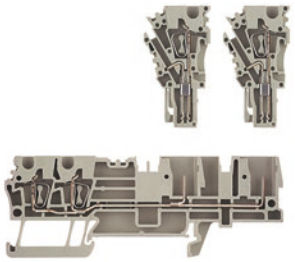
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	ZAP/TW ZT2.5/2AN		50	1816030000
Orange	ZAP/TW ZT2.5/2AN OR		50	1816040000
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	1827080000
With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP2.5		25	1816130000
Coding element	KOSF ZT2.5		50	1816150000
Strain relief	ZZE ZP2.5		25	1816140000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/5 MC M SDR		144	1792010000
	DEK 5/5 MM WS		800	2007110000

	Type		Qty.	Order No.
	ZQV 2.5N/2 GE	24 A	60	1693800000
	ZQV 2.5N/10 GE	24 A	20	1693880000
	ZAP/TW ZT2.5/3AN		50	1816050000
	ZTA ZT2.5	17.5 A	25	1827080000
	ZTA ZT2.5/ZA	17.5 A	25	1847600000
	ZVR ZP2.5		25	1816130000
	KOSF ZT2.5		50	1816150000
	ZZE ZP2.5		25	1816140000
	SDIS SLIM 0.6X3.5X100		1	2749610000
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC M SDR		144	1792010000
	DEK 5/5 MM WS		800	2007110000

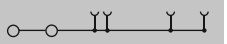
For detailed information on other accessories and application in the online catalogue

ZT 2.5/4AN/2 — 2.5 mm²

2 tension clamp connections / 2 pluggable connections



5.1 x 93 x 34.5
24 / 4
0.13...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

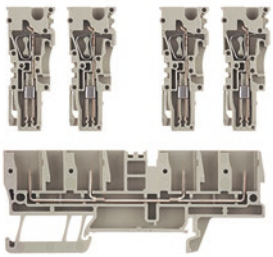
Type	Qty.	Order No.
ZT 2.5/4AN/2	50	**1815110000**

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	**1815190000**
ZP 2.5/1AN/QV/2	25	**1815200000**
ZP 2.5/1AN/QV/3	25	**1815210000**
ZP 2.5/1AN/QV/4	25	**1815220000**
ZP 2.5/1AN/QV/5	25	**1815230000**
ZP 2.5/1AN/QV/6	25	**1815240000**
ZP 2.5/1AN/QV/7	25	**1815250000**
ZP 2.5/1AN/QV/8	20	**1815260000**
ZP 2.5/1AN/QV/9	20	**1815270000**
ZP 2.5/1AN/QV/10	20	**1815280000**

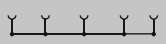
Type		Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
ZAP/TW ZT2.5/4AN/2		50	**1816070000**
ZAP/TW ZT2.5/4AN/2 OR		50	**1816080000**
ZTA ZT2.5	17.5 A	25	**1827080000**
ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
ZVR ZP2.5		25	**1816130000**
KOSF ZT2.5		50	**1816150000**
ZZE ZP2.5		25	**1816140000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC M SDR		144	**1792010000**
DEK 5/5 MM WS		800	**2007110000**

ZT 2.5/4AN/4 — 2.5 mm²

4 pluggable connections



5.1 x 85.5 x 34.5
24 / 4
0.13...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	/ V-0		

Rated connection	Plug-in connection

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

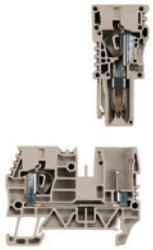
Type	Qty.	Order No.
ZT 2.5/4AN/4	50	**1815130000**

Type	Qty.	Order No.
ZP 2.5/1AN/1	50	**1815430000**
ZP 2.5/1AN/2	25	**1815440000**
ZP 2.5/1AN/3	25	**1815450000**
ZP 2.5/1AN/4	25	**1815500000**
ZP 2.5/1AN/5	25	**1815510000**
ZP 2.5/1AN/6	25	**1815520000**
ZP 2.5/1AN/7	25	**1815530000**
ZP 2.5/1AN/8	20	**1815540000**
ZP 2.5/1AN/9	20	**1815550000**
ZP 2.5/1AN/10	20	**1815560000**

Type		Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
ZAP/TW ZT2.5/4AN/4		50	**1816090000**
ZTA ZT2.5	17.5 A	25	**1827080000**
ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
ZVR ZP2.5		25	**1816130000**
KOSF ZT2.5		50	**1816150000**
ZZE ZP2.5		25	**1816140000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MM WS		800	**2007150000**
DEK 5/5 MM WS		800	**2007110000**

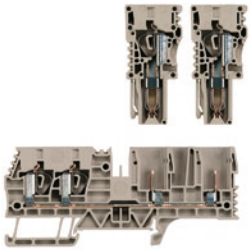
ZT 4/2AN/1 — 4 mm²

1 tension clamp connection / 1 pluggable connection

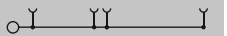


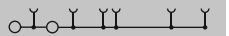
ZT 4/4AN/2 — 4 mm²

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm	6.5 x 58 x 43	6.5 x 100.5 x 43
max. current / max. cond. cross-section	A/mm²	**32 / 6**	**32 / 6**
Max. clamping range	mm²	**0.13...6**	**0.13...6**





Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	800	600	600	
Max. voltage of clamp support & pluggable system (V)	800			
Rated current (A)	32	28	28	
for wire cross-section (mm²)	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals	CE SEV cULus EAC			

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded (mm²)	0.5...6	
Flexible / Flexible with ferrule (mm²)	0.5...6	
Stripping length / Blade size (mm/-)	12 / 0.6 x 3.5 mm	

Note

CSA current and voltage, acc. to Gr. C

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	800	600	600	
Max. voltage of clamp support & pluggable system (V)	800			
Rated current (A)	32	28	28	
for wire cross-section (mm²)	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals	CE SEV cULus EAC			

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded (mm²)	0.5...6	
Flexible / Flexible with ferrule (mm²)	0.5...6	
Stripping length / Blade size (mm/-)	12 / 0.6 x 3.5 mm	

Note

CSA current and voltage, acc. to Gr. C

Ordering data

	Type	Qty.	Order No.
dark beige	ZT 4/2AN/1	50	**1854960000**
Blue	ZT 4/2AN/1 BL	50	**1312830000**
Plug-in connector	**Type**	**Qty.**	**Order No.**
	ZP 4/1AN/1	50	**1848340000**
	ZP 4/1AN/2	25	**1854990000**
	ZP 4/1AN/3	25	**1855000000**
	ZP 4/1AN/4	25	**1855010000**
	ZP 4/1AN/5	20	**1855020000**
	ZP 4/1AN/6	20	**1855030000**
	ZP 4/1AN/7	20	**1855040000**
	ZP 4/1AN/8	20	**1855050000**
	ZP 4/1AN/9	10	**1855060000**
	ZP 4/1AN/10	10	**1855070000**

Note

	Type	Qty.	Order No.
	ZT 4/4AN/2	50	**1848350000**
	Type	**Qty.**	**Order No.**
	ZP 4/1AN/1	50	**1848340000**
	ZP 4/1AN/2	25	**1854990000**
	ZP 4/1AN/3	25	**1855000000**
	ZP 4/1AN/4	25	**1855010000**
	ZP 4/1AN/5	20	**1855020000**
	ZP 4/1AN/6	20	**1855030000**
	ZP 4/1AN/7	20	**1855040000**
	ZP 4/1AN/8	20	**1855050000**
	ZP 4/1AN/9	10	**1855060000**
	ZP 4/1AN/10	10	**1855070000**

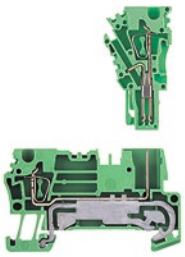
Accessories

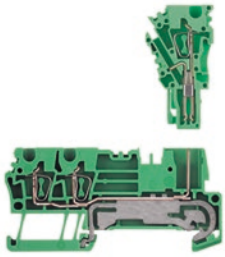
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
End plate / Partition plate				
dark beige	ZAP/TW ZT4/2AN		50	**1855220000**
Orange	ZAP/TW ZT4/2AN OR		50	**1855230000**
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP4		25	**1855250000**
Coding element	KOSF ZT4		50	**1856860000**
Strain relief	ZZE ZP4		25	**1855260000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Marking tags				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 10/6 MC NE WS		600	**1828450000**
	DEK 5/6 MM WS		600	**2007120000**

	Type		Qty.	Order No.
	ZQV 4/2 GE	32 A	60	**1608950000**
	ZAP/TW ZT4/4AN/2		50	**1848360000**
	ZVR ZP4		25	**1855250000**
	KOSF ZT4		50	**1856860000**
	ZZE ZP4		25	**1855260000**
	SDIS SLIM 0.6X3.5X100		1	**2749610000**
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 10/6 MC NE WS		600	**1828450000**
	DEK 5/6 MM WS		600	**2007120000**

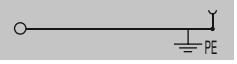
For detailed information on other accessories and application in the online catalogue

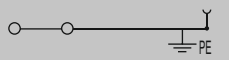
	ZTPE 2.5/2AN/1	2.5 mm²	ZTPE 2.5/3AN/1	2.5 mm²
	1 tension clamp connection / 1 pluggable connection		2 tension clamp connections / 1 pluggable connection	





Width/Height/Depth	mm	5.1 x 58 x 34.5	5.1 x 71.5 x 34.5
max. current / max. cond. cross-section	-/mm²	/ 4	/ 4
Max. clamping range	mm²	0.13...4	0.13...4





Technical data

Rated data		In accordance with IEC 60947-7-2				In accordance with IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	500		300		500		300	
Max. voltage of clamp support & pluggable system	V	690				690			
Rated short-time current		300 (2.5 mm²)				300 (2.5 mm²)			
for wire cross-section	mm²	2.5	AWG 26...12			2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity				/ 3				/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A2 / V-0				A2 / V-0	
Approvals									

Clamped conductors (H05V/H07V)		Rated connection	Plug-in connection	Rated connection	Plug-in connection
Solid / Stranded	mm²	0.5...4		0.5...4	
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5		0.5...4 / 0.5...2.5	
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm	

Note		
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
Green/yellow	ZTPE 2.5/2AN/1	50	1815080000	ZTPE 2.5/3AN/1	50	1815100000

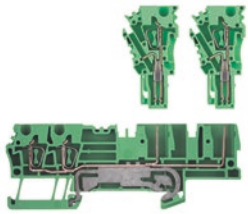
Accessories

End plate / Partition plate	Type		Qty.	Order No.	Type		Qty.	Order No.
dark beige	ZAP/TW ZT2.5/2AN		50	1816030000	ZAP/TW ZT2.5/3AN		50	1816050000
Orange	ZAP/TW ZT2.5/2AN OR		50	1816040000				
Test adapter								
Standard	ZTA ZT2.5	17.5 A	25	1827080000	ZTA ZT2.5	17.5 A	25	1827080000
With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Miscellaneous accessories WeiCoS								
Locking element	ZVR ZP2.5		25	1816130000	ZVR ZP2.5		25	1816130000
Coding element	KOSF ZT2.5		50	1816150000	KOSF ZT2.5		50	1816150000
Strain relief	ZZE ZP2.5		25	1816140000	ZZE ZP2.5		25	1816140000
Screwdriver								
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000

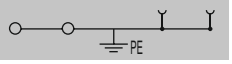
For detailed information on other accessories and application in the online catalogue

ZTPE 2.5/4AN/2 — 2.5 mm²

2 tension clamp connections / 2 pluggable connections

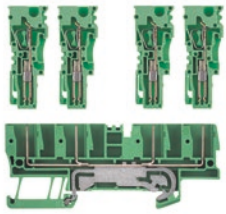


Width/Height/Depth	5.1 x 93 x 34.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.13...4

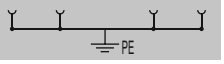


ZTPE 2.5/4AN/4 — 2.5 mm²

4 pluggable connections



Width/Height/Depth	5.1 x 85.5 x 34.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.13...4



Technical data

Rated data		ZTPE 2.5/4AN/2	ZTPE 2.5/4AN/4
Rated voltage	V	In accordance with IEC 60947-7-2	In accordance with IEC 60947-7-2
Max. voltage of clamp support & pluggable system	V		
Rated short-time current			
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm²)			
2.5	AWG 26...12		
		/ 3	
		A2 / V-0	

Clamped conductors (H05V/H07V)		ZTPE 2.5/4AN/2	ZTPE 2.5/4AN/4
Solid / Stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Note	ZTPE 2.5/4AN/2	ZTPE 2.5/4AN/4
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	ZTPE 2.5/4AN/2 Type	Qty.	Order No.	ZTPE 2.5/4AN/4 Type	Qty.	Order No.
Green/yellow	ZTPE 2.5/4AN/2	50	1815120000	ZTPE 2.5/4AN/4	50	1815140000

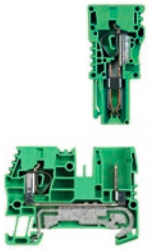
Accessories

End plate / Partition plate	Type		Qty.	Order No.	Type		Qty.	Order No.
dark beige	ZAP/TW ZT2.5/4AN/2		50	1816070000	ZAP/TW ZT2.5/4AN/4		50	1816090000
Orange	ZAP/TW ZT2.5/4AN/2 OR		50	1816080000				
Test adapter								
Standard	ZTA ZT2.5	17.5 A	25	1827080000	ZTA ZT2.5	17.5 A	25	1827080000
With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Miscellaneous accessories WeiCoS								
Locking element	ZVR ZP2.5		25	1816130000	ZVR ZP2.5		25	1816130000
Coding element	KOSF ZT2.5		50	1816150000	KOSF ZT2.5		50	1816150000
Strain relief	ZZE ZP2.5		25	1816140000	ZZE ZP2.5		25	1816140000
Screwdriver								
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000

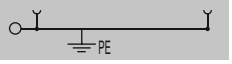
For detailed information on other accessories and application in the online catalogue

ZTPE 4/2AN/1 — 4 mm²

1 tension clamp connection / 1 pluggable connection



Width/Height/Depth	mm	6.5 x 58 x 43
max. current / max. cond. cross-section	-/mm²	/ 6
Max. clamping range	mm²	0.13...6



Technical data

Rated data		In accordance with IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500			
Max. voltage of clamp support & pluggable system	V	800			
Rated short-time current		480 (4 mm²)			
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE SEV cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**		**Plug-in connection**	
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...6			
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm			

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZTPE 4/2AN/1	50	1854970000

Note

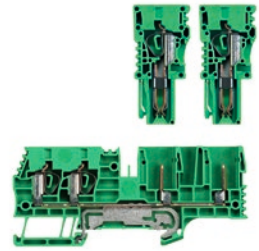
Accessories

	Type		Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW ZT4/2AN		50	1855220000
Orange	ZAP/TW ZT4/2AN OR		50	1855230000
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	1827080000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP4		25	1855250000
Coding element	KOSF ZT4		50	1856860000
Strain relief	ZZE ZP4		25	1855260000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/6 MC NE WS		600	1828450000
	DEK 5/6 MM WS		600	2007120000
DIN A4 sheets				
Paper	ESO 7 DIN A4 WS		10	1607720000
Protective strip				
	STR 7 F.SCHT 7		20	0515300000

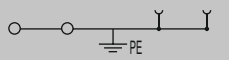
For detailed information on other accessories and application in the online catalogue

ZTPE 4/4AN/2 — 4 mm²

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm	6.5 x 100.5 x 43
max. current / max. cond. cross-section	-/mm²	/ 6
Max. clamping range	mm²	0.13...6



Rated data		In accordance with IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500			
Max. voltage of clamp support & pluggable system	V	800			
Rated short-time current		480 (4 mm²)			
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE SEV cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**		**Plug-in connection**	
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...6			
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm			

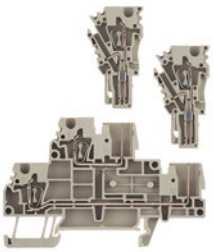
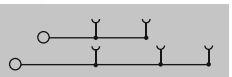
Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZTPE 4/4AN/2	50	1848330000

Note

Accessories

	Type		Qty.	Order No.
End plate / Partition plate				
dark beige				
Orange				
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	1827080000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP4		25	1855250000
Coding element	KOSF ZT4		50	1856860000
Strain relief	ZZE ZP4		25	1855260000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/6 MC NE WS		600	1828450000
	DEK 5/6 MM WS		600	2007120000
DIN A4 sheets				
Paper	ESO 7 DIN A4 WS		10	1607720000
Protective strip				
	STR 7 F.SCHT 7		20	0515300000

	ZDT 2.5/2	ZDT 2.5/2 V
	2.5 mm²	2.5 mm²
	Two potentials feasible	
		
Width/Height/Depth mm	5.1 x 80.5 x 52	5.1 x 80.5 x 52
max. current / max. cond. cross-section A/mm²	24 / 4	24 / 4
Max. clamping range mm²	0.13...4	0.13...4
		

Technical data

	ZDT 2.5/2	ZDT 2.5/2 V
Rated data		
Rated voltage V	IEC 61984, In accordance with IEC 60947-7-1	IEC 61984, In accordance with IEC 60947-7-1
Max. voltage of clamp support & pluggable system V	500	500
Rated current A	690	690
for wire cross-section mm²	24	24
Rated impulse withstand voltage / Pollution severity	20	
Gauge to IEC 60947-1 / UL 94 flammability rating	300	
Approvals	300	
	2.5	2.5
	AWG 26...12	
	6 kV / 3	6 kV / 3
	A2 / V-0	A2 / V-0
	IEC UL CSA EN 60079-7	CE
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Ordering data

	Type	Qty.	Order No.
dark beige	ZDT 2.5/2	50	1815150000
Blue	ZDT 2.5/2 BL	50	1348970000
Plug-in connector	**Type**	**Qty.**	**Order No.**
	ZP 2.5/1AN/QV/1	50	1815190000
	ZP 2.5/1AN/QV/2	25	1815200000
	ZP 2.5/1AN/QV/3	25	1815210000
	ZP 2.5/1AN/QV/4	25	1815220000
	ZP 2.5/1AN/QV/5	25	1815230000
	ZP 2.5/1AN/QV/6	25	1815240000
	ZP 2.5/1AN/QV/7	25	1815250000
	ZP 2.5/1AN/QV/8	20	1815260000
	ZP 2.5/1AN/QV/9	20	1815270000
	ZP 2.5/1AN/QV/10	20	1815280000
Note			

	Type	Qty.	Order No.
	ZDT 2.5/2 V	50	1084770000
	Type	**Qty.**	**Order No.**
	ZP 2.5/1AN/QV/1	50	1815190000
	ZP 2.5/1AN/QV/2	25	1815200000
	ZP 2.5/1AN/QV/3	25	1815210000
	ZP 2.5/1AN/QV/4	25	1815220000
	ZP 2.5/1AN/QV/5	25	1815230000
	ZP 2.5/1AN/QV/6	25	1815240000
	ZP 2.5/1AN/QV/7	25	1815250000
	ZP 2.5/1AN/QV/8	20	1815260000
	ZP 2.5/1AN/QV/9	20	1815270000
	ZP 2.5/1AN/QV/10	20	1815280000

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	ZAP/TW ZDT2.5/2		50	1816110000
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	1827080000
With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP2.5		25	1816130000
Coding element	KOSF ZT2.5		50	1816150000
Strain relief	ZZE ZP2.5		25	1816140000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

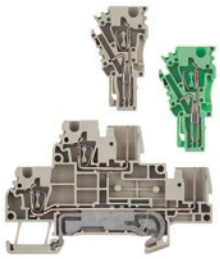
	Type		Qty.	Order No.
	ZQV 2.5N/2 GE	24 A	60	1693800000
	ZQV 2.5N/10 GE	24 A	20	1693880000
	ZAP/TW ZDT2.5/2		50	1816110000
	ZTA ZT2.5	17.5 A	25	1827080000
	ZTA ZT2.5/ZA	17.5 A	25	1847600000
	ZVR ZP2.5		25	1816130000
	KOSF ZT2.5		50	1816150000
	ZZE ZP2.5		25	1816140000
	SDS 0.6X3.5X100		1	2749340000
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

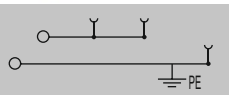
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDT 2.5/2 DU-PE — 2.5 mm²

Phase - PE conductor



5.1 x 80.5 x 52
24 / 4
0.13...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDT 2.5/2 DU-PE	50	**1815160000**

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	**1815190000**
ZP 2.5/1AN/QV/2	25	**1815200000**
ZP 2.5/1AN/QV/3	25	**1815210000**
ZP 2.5/1AN/QV/4	25	**1815220000**
ZP 2.5/1AN/QV/5	25	**1815230000**
ZP 2.5/1AN/QV/6	25	**1815240000**
ZP 2.5/1AN/QV/7	25	**1815250000**
ZP 2.5/1AN/QV/8	20	**1815260000**
ZP 2.5/1AN/QV/9	20	**1815270000**
ZP 2.5/1AN/QV/10	20	**1815280000**

Type		Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
ZAP/TW ZDT2.5/2		50	**1816110000**
ZTA ZT2.5	17.5 A	25	**1827080000**
ZTA ZT2.5/ZA	17.5 A	25	**1847600000**
ZVR ZP2.5		25	**1816130000**
KOSF ZT2.5		50	**1816150000**
ZZE ZP2.5		25	**1816140000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

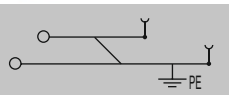
ZDT 2.5/2 PE — 2.5 mm²

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

5.1 x 80.5 x 52	
/ 4	
0.13...4	



IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500		300	
Max. voltage of clamp support & pluggable system	690			
Rated short-time current	300 (2.5 mm²)			
for wire cross-section	2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity		/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...4	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow	ZDT 2.5/2 PE	50	1815170000

Note

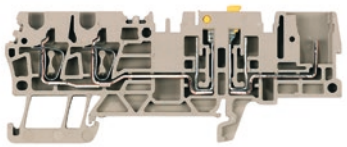
Accessories

End plate / Partition plate	Type		Qty.	Order No.
dark beige	ZAP/TW ZDT2.5/2		50	1816110000
Test adapter				
Standard	ZTA ZT2.5	17.5 A	25	1827080000
With spigot	ZTA ZT2.5/ZA	17.5 A	25	1847600000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP2.5		25	1816130000
Coding element	KOSF ZT2.5		50	1816150000
Strain relief	ZZE ZP2.5		25	1816140000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000

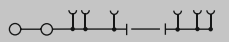
For detailed information on other accessories and application in the online catalogue

ZTTR 2.5 — 2.5 mm²

2 tension clamp connections / 1 pluggable connection



Width/Height/Depth	5.1 x 87 x 36 mm
max. current / max. cond. cross-section	**18 / 4** A/mm²
Max. clamping range	**0.13...4** mm²



IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	600	300	
Max. voltage of clamp support & pluggable system -				
Rated current A	16	16	16	
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...4	
Flexible / Flexible with ferrule mm²	0.5...4	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Note
CSA current and voltage, acc. to Gr. B

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZTTR 2.5	50	**1865510000**
without isolator, dark beige	ZTTR 2.5 O.TNHE	50	**1905470000**

Note
Please contact customer support when planning your installation with SIHA.

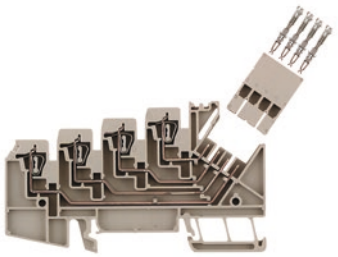
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	ZAP/TW ZTTR2.5		50	**1865520000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	**1833090000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

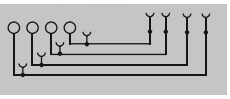
ZRV 1.5 — 1.5 mm²

Base terminal - plug



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

5.1 x 89.5 x 52
/ 2.5
0.13...2.5



IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC	UL	CSA	EN 60079-7
63	150		
4	10		
1.5	AWG 26...14		
	1.5 kV / 3		
	A1 / V-0		

CE cULus

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
8 / 0.6 x 3.5 mm	

Note

Ordering data

Version	
	Base terminal

Note

Type	Qty.	Order No.
ZRV 1.5	50	**1698160000**

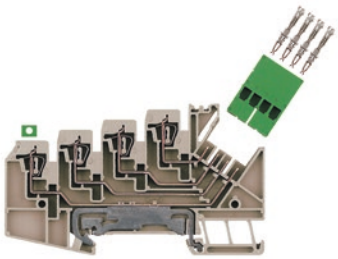
Accessories

Plug-in cross-connection			
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
STGH plug housing			
With spigot	STGH 4 ZRV1.5	4 A	50	**1698190000**
Without peg				
Crimping contact			
Reel packaged				
Reel packaged				
Reel packaged				
Single contacts	DFFC 0.2-0.35 ZRV1.5		500	**1705310000**
Single contacts	DFFC .5-1.0 ZRV1.5		500	**1705320000**
Single contacts				
Test adapter			
Plug housing black				
Black plug housing				
End plate / Partition plate			
beige Wemid				
dark brown	AP ZRV1.5 DB		10	**1698180000**
Locking elements			
Tools			
Pressing tool	HTF ZRV		1	**9014840000**
Mounting tool				
Marking tags			
	DEK 5/5 MC NE WS		1000	**1609801044**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

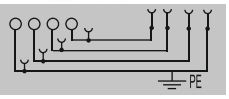
For detailed information on other accessories and application in the online catalogue

ZRV 1,5/PE — 1.5 mm²

Base terminal - plug



5.1 x 89.5 x 52
/ 2.5
0.13...2.5



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
63	150		
4	10		
1.5	AWG 26...14		
	1.5 kV / 3		
	A1 / V-0		

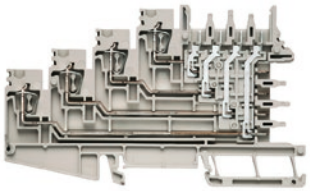
CE cULus

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
8 / 0.6 x 3.5 mm	

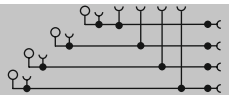
Type	Qty.	Order No.
ZRV 1.5/PE	50	**1698170000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
STGH 4 ZRV1.5/PE GN	4 A	50	**1698200000**
DFFC 0.2-0.35 ZRV1.5		500	**1705310000**
DFFC .5-1.0 ZRV1.5		500	**1705320000**
AP ZRV1.5 DB		10	**1698180000**
HTF ZRV		1	**9014840000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

ZRV 2.5/2 — 2.5 mm²



5.2 x 115 x 69.5
10 / 4
0.21...4



IEC 61984, In accordance with IEC 60947-7-1

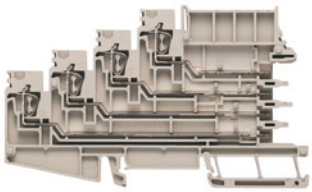
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
2.5	AWG 24...14	AWG 26...14	
	4 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4 / 0.5...4	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

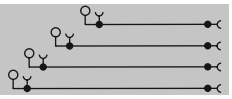
Type	Qty.	Order No.
ZRV 2.5/2	50	**1906970000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
STGH ZRV2.5		50	**1907000000**
STGH 0.ZA ZRV2.5		50	**1907010000**
FEKO ZRV2.5 0.2-0.35		5000	**1854750000**
FEKO ZRV2.5 0.5-1		5000	**1854760000**
FEKO ZRV2.5 1.5-2.5		4200	**1848480000**
FEKO ET ZRV2.5 0.2-0.35		500	**1893940000**
FEKO ET ZRV2.5 0.5-1		500	**1893970000**
FEKO ET ZRV2.5 1.5-2.5		500	**1893990000**
STGH 0.R/SW ZRV2.5		25	**1898420000**
STGH 0.ZA/0.R/SW ZRV2.5		25	**1898430000**
AP ZRV2.5		10	**1906980000**
HTF AFK 2.5		1	**9201040000**
REMOVAL TOOL AFK		1	**1866760000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**

ZRV 2.5/1 — 2.5 mm²



5.2 x 115 x 69.5
/ 4
0.5...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
10	10		
2.5	AWG 24...14		
	4 kV / 3		
	/ V-0		

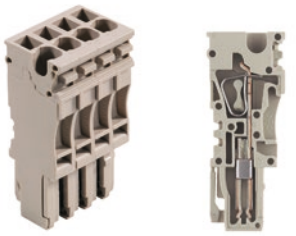
Rated connection	Plug-in connection
0.5...4	
0.5...2.5 2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZRV 2.5/1	50	**1906960000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
STGH ZRV2.5		50	**1907000000**
STGH 0.ZA ZRV2.5		50	**1907010000**
FEKO ZRV2.5 0.2-0.35		5000	**1854750000**
FEKO ZRV2.5 0.5-1		5000	**1854760000**
FEKO ZRV2.5 1.5-2.5		4200	**1848480000**
FEKO ET ZRV2.5 0.2-0.35		500	**1893940000**
FEKO ET ZRV2.5 0.5-1		500	**1893970000**
FEKO ET ZRV2.5 1.5-2.5		500	**1893990000**
STGH 0.R/SW ZRV2.5		25	**1898420000**
STGH 0.ZA/0.R/SW ZRV2.5		25	**1898430000**
AP ZRV2.5		10	**1906980000**
VREL 2 ZRV2.5/4		20	**1167890000**
VREL 8 ZRV2.5/4		10	**1167910000**
HTF AFK 2.5		1	**9201040000**
REMOVAL TOOL AFK		1	**1866760000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**

ZP 2.5/1AN — 2.5 mm²

2...17-pole



Width/Height/Depth	5.1 x 16.5 x 41
max. current / max. cond. cross-section	**24 / 4**
Max. clamping range	**0.13...4**

Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	500	300	300	
Max. voltage of clamp support & pluggable system (V)	690			
Rated current (A)	24	20	20	
for wire cross-section (mm²)	2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded (mm²)	0.5...4	
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm	

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
1-pole	ZP 2.5/1AN/1	50	**1815430000**
2-pole	ZP 2.5/1AN/2	25	**1815440000**
3-pole	ZP 2.5/1AN/3	25	**1815450000**
4-pole	ZP 2.5/1AN/4	25	**1815500000**
5-pole	ZP 2.5/1AN/5	25	**1815510000**
6-pole	ZP 2.5/1AN/6	25	**1815520000**
7-pole	ZP 2.5/1AN/7	25	**1815530000**
8-pole	ZP 2.5/1AN/8	20	**1815540000**
9-pole	ZP 2.5/1AN/9	20	**1815550000**
10-pole	ZP 2.5/1AN/10	20	**1815560000**
11-pole	ZP 2.5/1AN/11	20	**1815570000**
12-pole	ZP 2.5/1AN/12	20	**1815580000**
13-pole	ZP 2.5/1AN/13	10	**1815590000**
14-pole	ZP 2.5/1AN/14	10	**1815600000**
15-pole	ZP 2.5/1AN/15	10	**1815610000**
16-pole	ZP 2.5/1AN/16	10	**1815620000**
17-pole	ZP 2.5/1AN/17	10	**1815180000**
1-pole (green)	ZP 2.5/1AN/1 GN	50	**1820580000**

Note

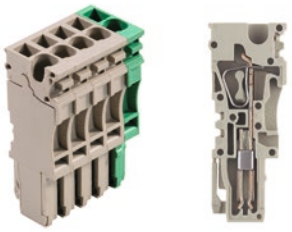
Accessories

Test adapter	Type		Qty.	Order No.
Standard	ZTA ZT2.5	17.5 A	25	**1827080000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
Protective strip				
DIN A4 sheets				
Paper				
Plug-in cross-connection				
2-pole				
10-pole				

For detailed information on other accessories and application in the online catalogue

ZP 2.5/1AN/GN/BE — 2.5 mm²

2 to 17-pole
Connectors each with one green pole



Width/Height/Depth	51 x 16 x 41
max. current / max. cond. cross-section	**24 / 4**
Max. clamping range	**0.13...4**

Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	500	300	300	
Max. voltage of clamp support & pluggable system (V)	690			
Rated current (A)	24	20	20	
for wire cross-section (mm²)	2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity		6 kV /		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded (mm²)	0.5...4	
Flexible / Flexible with ferrule (mm²)	0.5...4	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm	

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
2-pole	ZP 2.5/1AN/2 GN/BE	25	**1867090000**
3-pole	ZP 2.5/1AN/3 GN/BE	25	**1867100000**
4-pole	ZP 2.5/1AN/4 GN/BE	25	**1867110000**
5-pole	ZP 2.5/1AN/5 GN/BE	25	**1867120000**
6-pole	ZP 2.5/1AN/6 GN/BE	25	**1867130000**
7-pole	ZP 2.5/1AN/7 GN/BE	25	**1867140000**
8-pole	ZP 2.5/1AN/8 GN/BE	20	**1867150000**
9-pole	ZP 2.5/1AN/9 GN/BE	20	**1867160000**
10-pole	ZP 2.5/1AN/10 GN/BE	20	**1867170000**
11-pole	ZP 2.5/1AN/11 GN/BE	20	**1867180000**
12-pole	ZP 2.5/1AN/12 GN/BE	20	**1867190000**
13-pole	ZP 2.5/1AN/13 GN/BE	10	**1867200000**
14-pole	ZP 2.5/1AN/14 GN/BE	10	**1867210000**
15-pole	ZP 2.5/1AN/15 GN/BE	10	**1867220000**
16-pole			
17-pole	ZP 2.5/1AN/17 GN/BE	10	**1867240000**
1-pole (green)			

The technical specifications are only valid for use in conjunction with PE terminals, according to DIN EN 60947-7-2.

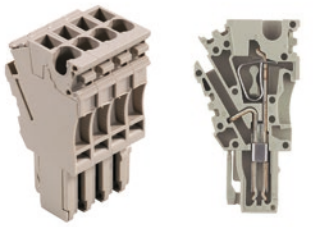
Accessories

Test adapter	Type		Qty.	Order No.
Standard	ZTA ZT2.5	17.5 A	25	**1827080000**
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
Protective strip				
DIN A4 sheets				
Paper				
Plug-in cross-connection				
2-pole				
10-pole				

For detailed information on other accessories and application in the online catalogue

ZP 2.5/1AN/QV — 2.5 mm²

1...17-pole



5.1 x 23 x 41
24 / 4
0.13...4

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV /		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

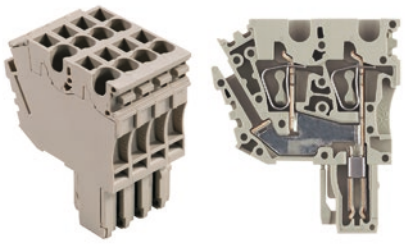
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000
ZP 2.5/1AN/QV/11	20	1815290000
ZP 2.5/1AN/QV/12	20	1815300000
ZP 2.5/1AN/QV/13	10	1815310000
ZP 2.5/1AN/QV/14	10	1815320000
ZP 2.5/1AN/QV/15	10	1815330000
ZP 2.5/1AN/QV/16	10	1815340000
ZP 2.5/1AN/QV/17	10	1815350000
ZP 2.5/1AN/QV/1 GN	50	1820570000

Type		Qty.	Order No.
ZTA ZT2.5	17.5 A	25	1827080000
SDIS SLIM 0.6X3.5X100		1	2749610000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

ZP 2.5/2AN/QV — 2.5 mm²

1...16-pole



5.1 x 23 x 41
24 / 4
0.13...4

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

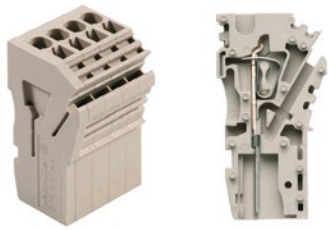
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZP 2.5/2AN/QV/1	50	1815730000
ZP 2.5/2AN/QV/2	20	1815740000
ZP 2.5/2AN/QV/3	20	1815750000
ZP 2.5/2AN/QV/4	20	1815760000
ZP 2.5/2AN/QV/5	20	1815770000
ZP 2.5/2AN/QV/6	20	1815780000
ZP 2.5/2AN/QV/7	20	1815790000
ZP 2.5/2AN/QV/8	10	1815800000
ZP 2.5/2AN/QV/9	10	1815810000
ZP 2.5/2AN/QV/10	10	1815820000
ZP 2.5/2AN/QV/11	10	1815830000
ZP 2.5/2AN/QV/12	10	1815840000
ZP 2.5/2AN/QV/15	5	1815870000
ZP 2.5/2AN/QV/16	5	1815880000
ZP 2.5/2AN/QV/1 GN	50	1820590000

Type		Qty.	Order No.
ZTA ZT2.5	17.5 A	25	1827080000
SDIS SLIM 0.6X3.5X100		1	2749610000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

ZPS 2.5/1AN/QV — 2.5 mm²

2 to 16-pole
Connectors each with one green pole



7.6 x 22.55 x 42
24 / 4
0.13...4

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	24	20	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.13...4	
0.5...4	
10 / 0.6 x 3.5 mm	

CSA voltage / current Gr. C 300 V / 20 A Gr. D 600 V / 5 A

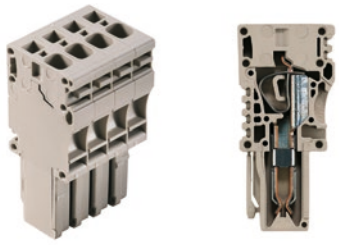
Type	Qty.	Order No.
ZPS 2.5/1AN/QV/1	50	1865880000
ZPS 2.5/1AN/QV/2	20	1865900000
ZPS 2.5/1AN/QV/3	20	1865910000
ZPS 2.5/1AN/QV/4	20	1865920000
ZPS 2.5/1AN/QV/5	20	1865930000
ZPS 2.5/1AN/QV/6	25	1865940000
ZPS 2.5/1AN/QV/7	20	1865950000
ZPS 2.5/1AN/QV/8	10	1865960000
ZPS 2.5/1AN/QV/9	10	1865970000
ZPS 2.5/1AN/QV/10	10	1865980000
ZPS 2.5/1AN/QV/12	10	1866000000
ZPS 2.5/1AN/QV/14	10	1866020000
ZPS 2.5/1AN/QV/15	10	1866030000
ZPS 2.5/1AN/QV/16	10	1866040000

Type		Qty.	Order No.
ZTA ZT2.5	17.5 A	25	1827080000
SDIS SLIM 0.6X3.5X100		1	2749610000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
ZGB 30		20	1611930000
STR 7 F.SCHT 7		20	0515300000
ESO 7 DIN A4 WS		10	1607720000

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

ZP 4/1AN — 4 mm²

1...16-pole



Width/Height/Depth	mm	6.5 x 22.5 x 47.5
max. current / max. cond. cross-section	A/mm²	**32 / 6**
Max. clamping range	mm²	**0.13...6**

Technical data

Rated data		In accordance with IEC 60947-7-1			
		IEC	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	800	600	600	
Max. voltage of clamp support & pluggable system	-				
Rated current	A	32	28	28	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**		**Plug-in connection**	
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...6			
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm			
Note		CSA current and voltage, acc. to Gr. C			

Ordering data

Version	**Type**	**Qty.**	**Order No.**
1-pole	ZP 4/1AN/1	50	**1848340000**
2-pole	ZP 4/1AN/2	25	**1854990000**
3-pole	ZP 4/1AN/3	25	**1855000000**
4-pole	ZP 4/1AN/4	25	**1855010000**
5-pole	ZP 4/1AN/5	20	**1855020000**
6-pole	ZP 4/1AN/6	20	**1855030000**
7-pole	ZP 4/1AN/7	20	**1855040000**
8-pole	ZP 4/1AN/8	20	**1855050000**
9-pole	ZP 4/1AN/9	10	**1855060000**
10-pole	ZP 4/1AN/10	10	**1855070000**
11-pole	ZP 4/1AN/11	20	**1855080000**
12-pole	ZP 4/1AN/12	10	**1855090000**
13-pole	ZP 4/1AN/13	10	**1855100000**
14-pole	ZP 4/1AN/14	10	**1855110000**
15-pole			
16-pole			
17-pole			
1-pole (green)	ZP 4/1AN/1 GN	50	**1854980000**
Note			

Accessories

Test adapter	**Type**	**Qty.**	**Order No.**
Standard			
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Marking tags			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 10/6 MC NE WS	600	**1828450000**
Protective strip			
DIN A4 sheets			
Paper			
Plug-in cross-connection			
2-pole			
10-pole			
For detailed information on other accessories and application in the online catalogue			



Single plates for individual assembly

The WeiCoS individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).

WeiCoS plug

- Marking option

Ordering data	
2.5 mm²	Dark beige
	Blue
	green
4.0 mm²	Dark beige
	Blue
	green
Note	

ZP 2.5/1AN ZA

End plate



Type	Qty.	Order No.
ZP 2.5/1AN ZA	50	1875190000
ZP 2.5/1AN ZA BL	50	1009070000
ZP 2.5/1AN ZA GN	50	1875200000
ZP 4/1AN ZA	50	1051940000
ZP 4/1AN ZA BL	50	1356790000
ZP 4/1AN ZA GN	50	1051950000

ZP 2.5/1AN ZA O.RA

Middle plate or end plate



Type	Qty.	Order No.
ZP 2.5/1AN ZA O.RA	50	1875210000
ZP 2.5/1AN ZA O.RA BL	50	1972980000
ZP 2.5/1AN ZA O.RA GN	50	1875220000
ZP 4/1AN ZA O.RA	50	1051910000
ZP 4/1AN ZA O.RA BL	50	2449680000
ZP 4/1AN ZA O.RA GN	50	1051920000

ZP 2.5/1AN

Start plate



Type	Qty.	Order No.
ZP 2.5/1AN	50	1875150000
ZP 2.5/1AN/1 BL	50	1009060000
ZP 2.5/1AN GN	50	1875180000
ZP 4/1AN	50	1051970000
ZP 4/1AN GN	50	1051980000

WeiCoS plug

- Marking option
- Cross-connection option

Ordering data	
2.5 mm²	Dark beige
	green
Note	

ZP 2.5/1AN/QV ZA

End plate



Type	Qty.	Order No.
ZP 2.5/1AN/QV ZA	50	1007930000
ZP 2.5/1AN/QV ZA GN	50	1007950000

ZP 2.5/1AN/QV ZA O.RA

Middle plate or end plate



Type	Qty.	Order No.
ZP 2.5/1AN/QV ZA O.RA	50	1007960000
ZP 2.5/1AN/QV ZA0.RA BL	50	1007970000
ZP 2.5/1AN/QV ZA0.RA GN	50	1007980000

ZP 2.5/1AN/QV

Start plate



Type	Qty.	Order No.
ZP 2.5/1AN/QV	50	1007900000
ZP 2.5/1AN/QV GN	50	1007920000

WeiCoS plug

- Marking option
- Cross-connection option
- 2 cable connection options

Ordering data	
2.5 mm²	Dark beige
	green
Note	

ZP 2.5/2AN/QV

End plate



Type	Qty.	Order No.
ZP 2.5/2AN/QV	50	1007810000
ZP 2.5/2AN/QV GN	50	1007830000

ZP 2.5/2AN/QV ZA O.RA

Middle plate or end plate



Type	Qty.	Order No.
ZP 2.5/2AN/QV ZA O.RA	50	1007870000
ZP 2.5/2AN/QV ZA0.RA BL	50	1007880000

WeiCoS coupling

- Marking option
- Cross-connection option

Ordering data
2.5 mm²
Note

ZPS 2.5/1AN/QV/1

Individual plate



Type	Qty.	Order No.
ZPS 2.5/1AN/QV/1	50	**1861040000**
ZPS 2.5/1AN/QV/1 GN	50	**1861050000**

GHDE ZPS2.5/1AN

Cover



Type	Qty.	Order No.
GHDE ZPS2.5/1AN	50	**1866070000**

Application



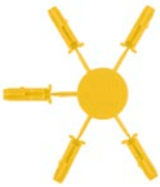
Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data
2.5 mm²
4.0 mm²
Note

KOSF ZT

Coding element



Type	Qty.	Order No.
KOSF ZT2.5	50	**1816150000**
KOSF ZT4	50	**1856860000**

Application



Interlock

- ZVR ZP to interlock with the terminal block
- ZVR ZPS interlock, plug – socket

Ordering data
2.5 mm²
4.0 mm²
Note

ZVR ZP 2.5

Locking element



Type	Qty.	Order No.
ZVR ZP2.5	25	**1816130000**
ZVR ZP4	25	**1855250000**

ZVR ZPS 2.5

Interlock



Type	Qty.	Order No.
ZVR ZPS2.5	20	**1878620000**

Application ZVR ZP



Strain reliefs / Protective cover

- ZVR ZP a strain relief transmits mechanical forces to the plastic housing and protects the contact point
- ZAD ZT / ZPS Finger protection Protection of the contact point from dirt

Ordering data
2.5 mm²
4.0 mm²
Note

ZZE ZP

Cable grip



Type	Qty.	Order No.
ZZE ZP2.5	25	**1816140000**
ZZE ZP2.5/4	25	**1866220000**
ZZE ZP2.5/8	25	**1866230000**
ZZE ZP4	25	**1855260000**

ZAD ZT / ZPS

Protective cover

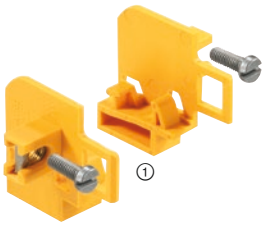


Type	Qty.	Order No.
ZAD ZT/ZPS2.5	25	**1861030000**

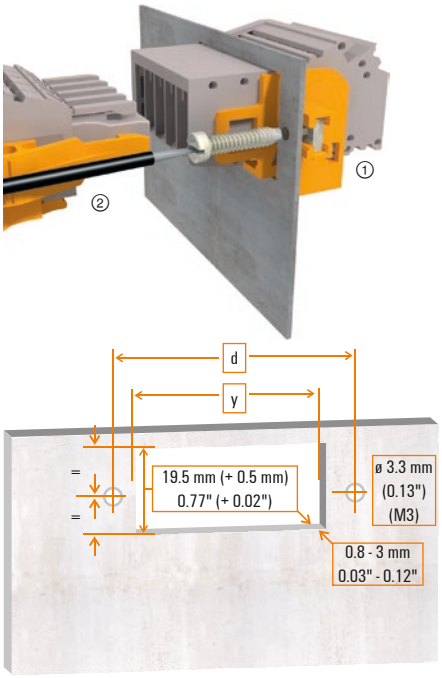
Application ZZE ZP



Screwed through-wall fixing



Type	Side	Qty.	Order No.
① ZVLA DF ZPS2.5	Plate	20	**1878600000**
② ZVR ZPS2.5	Plug	20	**1878620000**



y = n x 5.1 mm + 5.5 mm
d = n x 5.1 mm + 13.5 mm

y = n x 0.25" + 0.216"
d = n x 0.25" + 0.53"

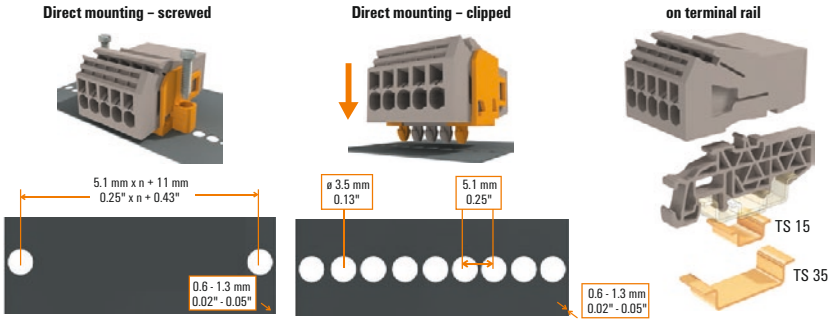
Pluggable terminal blocks



Plug-in connector system with an infinite number of combinations – but always with the same fitting method.

n-pol.	y		d	
	mm	inch(")	mm	inch(")
2-pol.	15.7	0.62	23.7	0.93
3-pol.	20.8	0.82	28.8	1.13
4-pol.	25.9	1.02	33.9	1.33
5-pol.	31.0	1.22	38.9	1.53
6-pol.	36.1	1.42	44.1	1.74
7-pol.	41.2	1.62	49.2	1.94
8-pol.	46.3	1.82	54.3	2.14
9-pol.	51.4	2.02	59.4	2.34
10-pol.	56.5	2.22	64.5	2.55
11-pol.	61.6	2.43	69.6	2.74
12-pol.	66.7	2.63	74.7	2.94
13-pol.	71.8	2.83	79.8	3.14
14-pol.	76.9	3.03	84.9	3.34
15-pol.	82.0	3.23	90.0	3.54
16-pol.	87.1	3.43	95.1	3.74

Set of fixings – coupling



Direct mounting, screwed

ZVLA SC ZPS 2.5



Ordering data	Type	Qty.	Order No.
	ZVLA SC ZPS2.5	20	1866240000
Note			

Ordering data	Type	Qty.	Order No.
Note			

Direct mounting, plugged

ZVLA RC ZPS 2.5



Ordering data	Type	Qty.	Order No.
	ZVLA RC ZPS2.5	20	1866260000
Note			

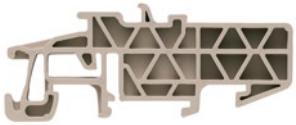
BA RC ZPS 2.5



Ordering data	Type	Qty.	Order No.
	BA RC ZPS2.5	25	1908560000
Note			

on terminal rail

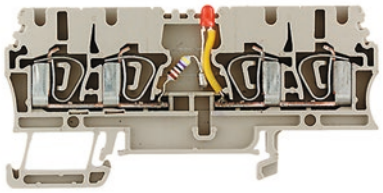
MOFU 15/35 ZPS 2.5



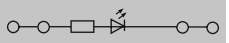
Ordering data	Type	Qty.	Order No.
	MOFU 15/35 ZPS2.5	25	1899170000
Note			

ZDU 2.5/2x2AN/LD+ — 2.5 mm²

LED indicator

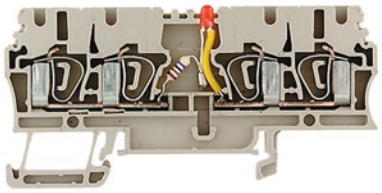


Width/Height/Depth	5.1 x 79.5 x 38.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.05...4

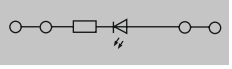


ZDU 2.5/2x2AN/LD- — 2.5 mm²

LED indicator



Width/Height/Depth	5.1 x 79.5 x 38.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.05...4



Technical data

Rated data							
Rated voltage of feed-through terminal	V	IEC 60947-7-1				IEC 60947-7-1	
Rated current	A	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	24				24			
Rated impulse withstand voltage / Pollution severity		0.05				0.05			
Gauge to IEC 60947-1 / UL 94 flammability rating		2.5				2.5			
Component 1				6 kV / 3				6 kV / 3	
Approvals				A3 / V-0				A3 / V-0	
Clamped conductors (H05V/H07V)		CE EAC				CE EAC			
Solid / Stranded	mm²	**Rated connection**				**Rated connection**			
Flexible / Flexible with ferrule	mm²	0.5...4				0.5...4			
Stripping length / Blade size	mm/-	0.5...4 / 1.5...2.5				0.5...4 / 1.5...2.5			
Component diode		10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Type diode									
Forward current									
Reverse voltage									
Forward voltage									
Component LED									
Colour		red				red			
Voltage, min.		6V				6V			
Voltage, max.		24V				24V			
Current		20mA				20mA			
Component resistor									
Resistance		4.7kOhm				4.7kOhm			
Power loss		0.4W				0.4W			
Tolerance (%)		1%				1%			
Note									

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige						
dark beige (red LED)	ZDU 2.5/2X2AN/LD+	20	**1692590000**	ZDU 2.5/2X2AN/LD-	20	**1692600000**
Note						

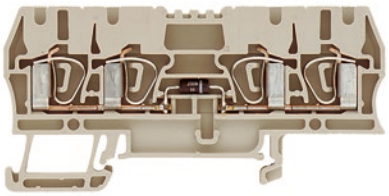
Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
End plate / Partition plate						
dark beige	ZAP/TW 3	50	**1608800000**	ZAP/TW 3	50	**1608800000**
Reducing sleeves						
for conductors < 1.0 mm² / AWG 18	ZRH 2.5/2 GR/V0	1000	**1614290000**	ZRH 2.5/2 GR/V0	1000	**1614290000**
for conductors < 0.5 mm² / AWG 20	ZRH 2.5/1 WS	1000	**1614300000**	ZRH 2.5/1 WS	1000	**1614300000**
End bracket						
dark beige	ZEW 35	20	**9540000000**	ZEW 35	20	**9540000000**
Screwdriver						
Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Marking tags						
	DEK 5/5 MC NE WS	1000	**1609801044**	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 10/5 MC NE WS	720	**1635000000**	WS 10/5 MC NE WS	720	**1635000000**
	DEK 5/5 MM WS	800	**2007110000**	DEK 5/5 MM WS	800	**2007110000**

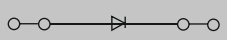
For detailed information on other accessories and application in the online catalogue

ZDU 2.5/2x2AN/D+ — 2.5 mm²

Diode circuit



5.1 x 79.5 x 38.5
/ 4
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		
	Diode 1N 4007 /		

CE EAC

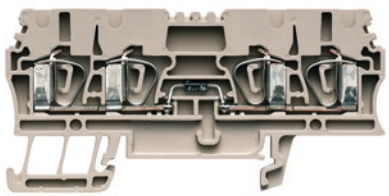
Rated connection
0.5...4
0.5...4 / 1.5...2.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D+	20	**1650340000**

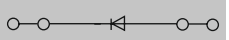
Type	Qty.	Order No.
ZAP/TW 3	50	**1608800000**
ZRH 2.5/2 GR/VO	1000	**1614290000**
ZRH 2.5/1 WS	1000	**1614300000**
ZEW 35	20	**9540000000**
SDIS SLIM 0.6X3.5X100	1	**2749610000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 10/5 MC NE WS	720	**1635000000**
DEK 5/5 MM WS	800	**2007110000**

ZDU 2.5/2x2AN/D- — 2.5 mm²

Diode circuit



5.1 x 79.5 x 38.5
/ 4
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		
	Diode 1N 4007 /		

CE EAC

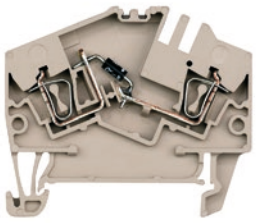
Rated connection
0.5...4
0.5...4 / 1.5...2.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D-	20	**1650350000**

Type	Qty.	Order No.
ZAP/TW 3	50	**1608800000**
ZRH 2.5/2 GR/VO	1000	**1614290000**
ZRH 2.5/1 WS	1000	**1614300000**
ZEW 35	20	**9540000000**
SDIS SLIM 0.6X3.5X100	1	**2749610000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 10/5 MC NE WS	720	**1635000000**
DEK 5/5 MM WS	800	**2007110000**

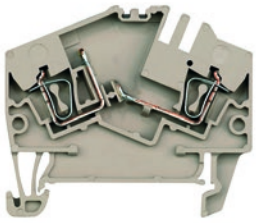
ZDU 2.5-2/D+ — 2.5 mm²

Diode circuit

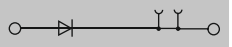


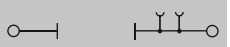
ZDU 2.5-2 O.EL — 2.5 mm²

Diode circuit



Width/Height/Depth	mm	5.1 x 50.5 x 43.5	5.1 x 50.5 x 43.5
max. current / max. cond. cross-section	-/mm²	/ 2.5	/ 2.5
Max. clamping range	mm²	0.05...2.5	0.05...2.5





Technical data

		ZDU 2.5-2/D+	ZDU 2.5-2 O.EL
Rated data			
Rated voltage of feed-through terminal	V	400	400
Rated current	A	1	1
for wire cross-section	mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity		6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0	A2 / V-0
Component 1		Diode 1N 4007 /	Diode 1N 4007 /
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...2.5	0.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 1.5...1.5	0.5...2.5 / 1.5...1.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Component diode			
Type diode		1N4007	
Forward current		1A	
Reverse voltage		1300V	
Forward voltage		0.7V	
Component LED			
Colour			
Voltage, min.			
Voltage, max.			
Current			
Component resistor			
Resistance			
Power loss			
Tolerance (%)			

IEC 60947-1

IEC	UL	CSA	EN 60079-7
400	600	600	
1	1	1	
2.5	AWG 26...12	AWG 26...12	

IEC 60947-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			

Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Note	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5-2/D+	20	1779110000
dark beige (red LED)			
Orange			

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5-2 O.EL	20	1868870000
dark beige (red LED)			
Orange			

Accessories

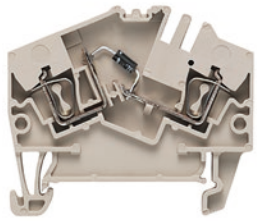
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
Blue				
dark beige	ZAP/TW7		50	1706110000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
Blue				
dark beige	ZAP/TW7		50	1706110000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZDU 2.5-2/D- — 2.5 mm²

Diode circuit



5.1 x 50.5 x 43.5
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	600	
1	1	1	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		
	Diode 1N 4007 /		

Rated connection
0.5...2.5
0.5...2.5 / 1.5...1.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

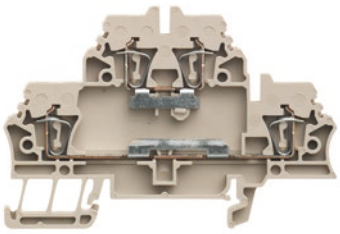
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5-2/D-	20	**1779000000**

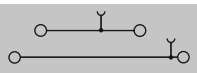
Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW7		50	**1706110000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

ZDK 2.5 EM — 2.5 mm²

Double-level terminal



5.1 x 79.5 x 53
20 / 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	15	25	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5 EM	50	**1768800000**
ZDK 2.5 OR	50	**1694140000**

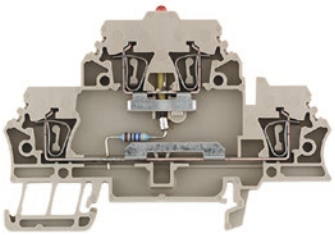
Empty electronics enclosure for do-it-yourself soldering of components.

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDK2.5 BL		20	**1748800000**
ZAP/TW ZDK2.5		20	**1674730000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

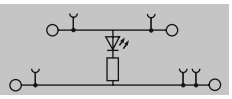
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDK 2.5/LD RT/1 — 2.5 mm²

LED circuit



5.1 x 79.1 x 53
10 / 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5	AWG 26...14	AWG 26...12	
	/ 3		
	A2 / V-0		

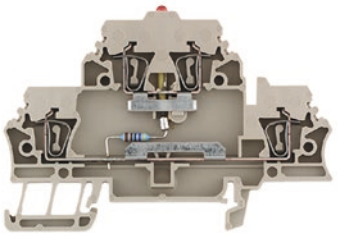
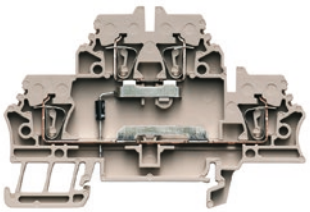
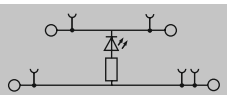
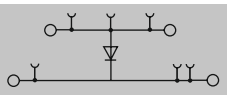
Rated connection
0.5...2.5
0.5...2.5 / 1.5...1.5
10 / 0.6 x 3.5 mm
red
6V
24V
20mA
4.7kOhm
0.4W
1%

2.5 mm² flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/LD RT/1	50	**1690010000**

Voltage on the continuous busbar = 10 A

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDK2.5		20	**1674730000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

	ZDK 2.5/LD RT/2	2.5 mm²	ZDK 2.5/D/1	2.5 mm²
	LED circuit		Diode circuit	
				
Width/Height/Depth mm	5.1 x 79.1 x 53		5.1 x 79.1 x 53	
max. current / max. cond. cross-section A/mm²	**10 / 2.5**		**/ 2.5**	
Max. clamping range mm²	**0.05...2.5**		**0.05...2.5**	

Technical data

Rated data							
Rated voltage of feed-through terminal	V	IEC 60947-7-1				IEC 60947-7-1	
Rated current	A	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	mm²	24				500	300	300	
Rated impulse withstand voltage / Pollution severity		10				10	15	10	
Gauge to IEC 60947-1 / UL 94 flammability rating		2.5	AWG 26...14	AWG 26...12		2.5	AWG 26...14	AWG 26...12	
Component 1				/ 3				6 kV / 3	
Approvals				A2 / V-0				A2 / V-0	
Clamped conductors (H05V/H07V)								Diode 1N 4007 /	
Solid / Stranded	mm²								
Flexible / Flexible with ferrule	mm²	**Rated connection**				**Rated connection**			
Stripping length / Blade size	mm/-	0.5...2.5				0.5...2.5			
Component diode		0.5...2.5 / 1.5...1.5				0.5...2.5 / 0.5...1.5			
Type diode		10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Forward current									
Reverse voltage						1N4007			
Forward voltage						1A			
Component LED						1300V			
Colour						0.7V			
Voltage, min.		red							
Voltage, max.		6V							
Current		24V							
Component resistor		20mA							
Resistance									
Power loss		4.7kOhm							
Tolerance (%)		0.4W							
		1%							
Note		2.5 mm² flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.				2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige				ZDK 2.5/D/1	50	**1690020000**
dark beige (red LED)	ZDK 2.5/LD RT/2	50	**1693940000**			
Orange						
Note						

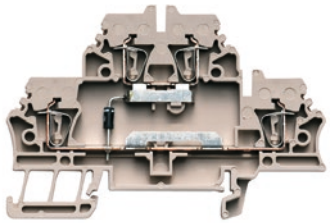
Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 2.5/2	24 A	60	**1608860000**	ZQV 2.5/2	24 A	60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate								
Blue								
dark beige	ZAP/TW ZDK2.5		20	**1674730000**	ZAP/TW ZDK2.5		20	**1674730000**
End bracket								
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Screwdriver								
Standard	SDIS SLIM 0.6X3.5X100		1	**2749610000**	SDIS SLIM 0.6X3.5X100		1	**2749610000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**

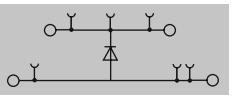
For detailed information on other accessories and application in the online catalogue

ZDK 2.5/D/2 — 2.5 mm²

Diode circuit



5.1 x 79.1 x 53
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		
	Diode 1N 4007 /		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

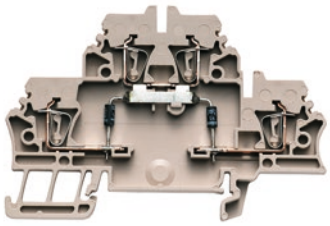
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/2	50	**1690030000**

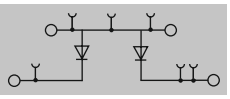
Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDK2.5		20	**1674730000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

ZDK 2.5/D/4 — 2.5 mm²

Diode circuit



5.1 x 79.1 x 53
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		
	Diode 1N 4007 / Diode 1N 4007		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

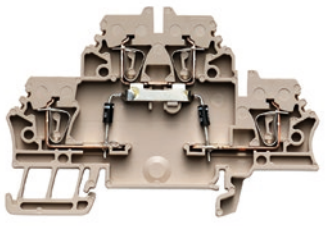
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/4	50	**1690040000**

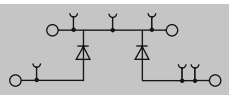
Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDK2.5		20	**1674730000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

ZDK 2.5/D/5 — 2.5 mm²

Diode circuit



5.1 x 79.1 x 53
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		
	Diode 1N 4007 / Diode 1N 4007		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

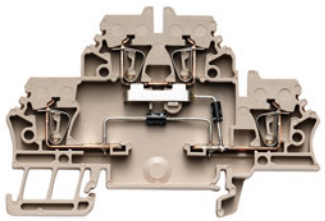
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/5	50	**1690050000**

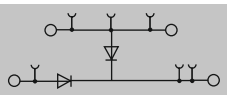
Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDK2.5		20	**1674730000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

ZDK 2.5/D/6 — 2.5 mm²

Diode circuit



Width/Height/Depth	5.1 x 79.1 x 53
max. current / max. cond. cross-section	**/ 2.5**
Max. clamping range	**0.05...2.5**

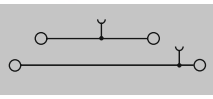


ZDK 4-2 EL — 4 mm²

Double-level terminal



Width/Height/Depth	6.1 x 77.6 x 60
max. current / max. cond. cross-section	**32 / 6**
Max. clamping range	**0.13...6**



Technical data

Rated data		
Rated voltage of feed-through terminal	V	IEC 60947-7-1
Rated current	A	
for wire cross-section	mm²	
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Component 1		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Stripping length / Blade size	mm/-	
Component diode		
Type diode		
Forward current		
Reverse voltage		
Forward voltage		
Component LED		
Colour		
Voltage, min.		
Voltage, max.		
Current		
Component resistor		
Resistance		
Power loss		
Tolerance (%)		

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		
	Diode 1N 4007 / Diode 1N 4007		
Rated connection			
0.5...2.5			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
1N4007			
1A			
1300V			
0.7V			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
32	25		
4	AWG 26...10		
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...6			
0.5...4			
10 / 0.6 x 3.5 mm			

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	
	dark beige
	dark beige (red LED)
	Orange
Note	

Type	Qty.	Order No.
ZDK 2.5/D/6	50	**1690060000**

Type	Qty.	Order No.
ZDK 4-2 EL	50	**8709760000**

Accessories

Plug-in cross-connection			
	2-pole		
	10-pole		
End plate / Partition plate			
	Blue		
	dark beige		
End bracket			
	dark beige		
Screwdriver			
	Standard		
Marking tags			

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDK2.5		20	**1674730000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZQV 4/10 GE	32 A	20	**1609030000**
ZAP/TW ZDK4-2		50	**8670760000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**

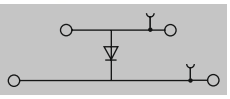
For detailed information on other accessories and application in the online catalogue

ZDK 4-2/D forward — 4 mm²

Diode circuit



6.1 x 77.6 x 60
/ 6
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
1	1	1	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A3 / V-0		
	Diode 1N 4007 /		

CE cULus EAC

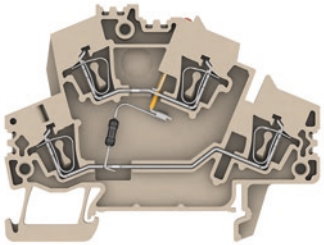
Rated connection
0.5...6 / 1.5...4
0.5...4
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

Type	Qty.	Order No.
ZDK 4-2/D FORWARD	50	**8670520000**

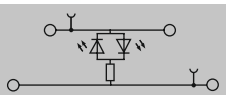
Type		Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZQV 4/10 GE	32 A	20	**1609030000**
ZAP/TW ZDK4-2		50	**8670760000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.6X3.5X100		1	**2749610000**
DEK 5/6 MC NE WS		1000	**1609820000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**

ZDK 2.5-2/LD 24 V UC — 2.5 mm²

Diode circuit



5.1 x 72.5 x 53
10 / 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5			
	/ 3		
	A2 / V-0		
	LED red / Resistance 4.7 kΩ		

CE EAC

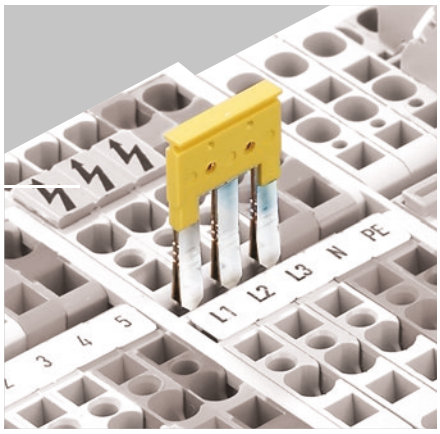
Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm
red
6V
24V
20mA
4.7kOhm
0.4W
1%

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5-2/LD 24VUC	50	**1905310000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZEW 35		20	**9540000000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Pluggable Cross-Connection ZQV



The time-saving, easy-to-use cross-connection comb for terminals, featuring tension clamp technology.

- **ZQV 2.5** as 2- to 10-pole combs and
- **ZQV 2.5N** as 2- to 10-pole combs and
- **ZQV 4** as 2- to 10-pole combs and
- **ZQV 6** as 2- to 4-pole combs and
- **ZQV 10**, **ZQV 16** and **ZQV 35** as 2-pole combs (bridges)
- **ZQV 35-10**, **ZQV 35-16** and **ZQV 16-10** used as a reducer cross-connector distributes current from terminals with larger cross-connections to terminals with smaller cross-section.

These versions come with complete shock protection.

However, please note that the rated voltage is reduced to 400 V when using cross-connections. This does not apply to terminals with a rated voltage below 400 V. Here the rated voltage of the used terminal is mandatory.

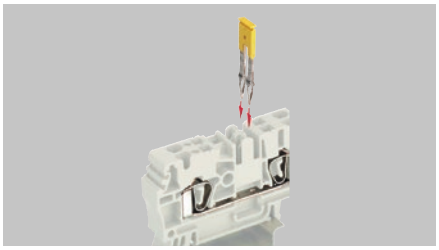
Breaking out contact elements

If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.

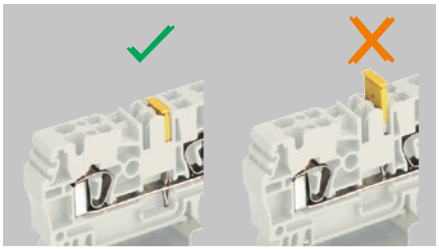


Fitting and changing crossconnections

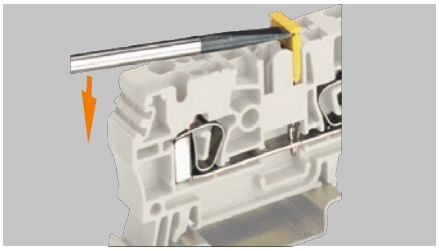
The fitting and changing of cross-connections is a trouble-free and fast operation:
– Insert the cross-connection into the cross-connection channel in the terminal...



... and press it fully home. (The cross-connection may not project from the channel.)

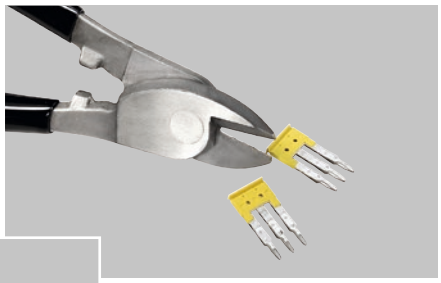


– Remove a cross-connection by simply prising it out with a screwdriver.



Shortening cross-connections

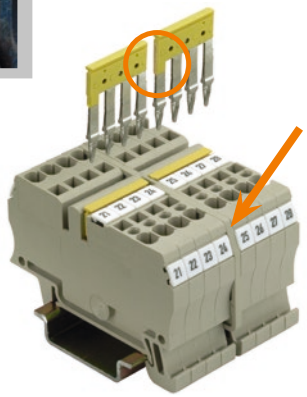
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



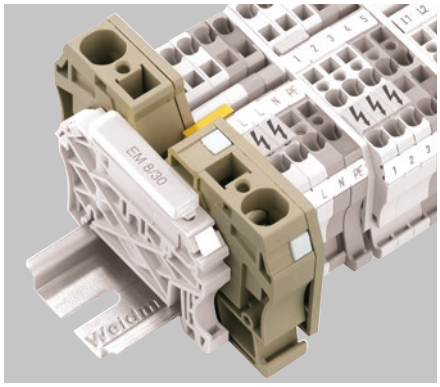
Caution:
Contact elements must not be deformed!



Note:
In the use of manually cut ZQV cross-connections and cross-connections with bare cut edges (>10 poles), the voltage reduces to 25 V.



ZEI 16 supply terminal



Integrated partition plate



Output possible on left and right



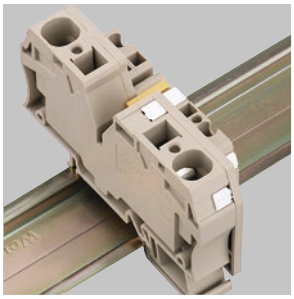
The ZEI 16 supply terminal can be used for supplying current up to a conductor cross-section of 25 mm². Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

The following tables show a number of options for distributing current at the supply point, together with corresponding cross-connections and the maximum current.

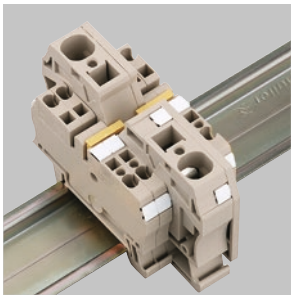
Output options and corresponding cross-connections

Feed terminal	Output terminal	Cross-connection	Supply left	Supply right
ZEI 16	ZDU 2.5	ZQV 2.5	•	•
	ZDU 2.5 3AN	ZQV 2.5	•	•
	ZDU 2.5 4AN	ZQV 2.5	•	•
	ZDU 2.5 N	ZQV 2.5	•	•
	ZDU 2.5 N/3AN	ZQV 2.5	•	•
	ZDU 2.5N /4AN	ZQV 2.5	•	•
	ZDU 4	ZQV 4	•	•
	ZDU 4 3AN	ZQV 4	•	• [1]
	ZDU 4 4AN	ZQV 4	•	• [1]
	ZDU 6	ZQV 6	•	•
	ZDU 6 3AN	ZQV 6	•	•
	ZTR 2.5	ZQV 2.5	• [2]	• [2]
	ZTR 2.5 3AN	ZQV 2.5	• [2]	• [2]
	ZTR 2.5 4AN	ZQV 2.5	•	•
Feed terminal	**Output terminal**	**Cross-connection**	**Supply left**	**Supply right**
ZEI 6	ZDU 1.5	ZQV 1.5	•	•
	ZDU 1.5 3AN	ZQV 1.5	•	•
	ZDU 1.5 4AN	ZQV 1.5	•	•

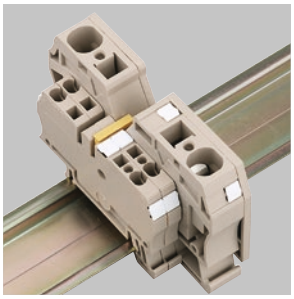
1) mit IEPL 2) mit QVAR 3) second pole must be broke out



Imax =
Σ In (left)



Imax =
Σ In (left) + Σ In (right)



Imax =
Σ In (right)

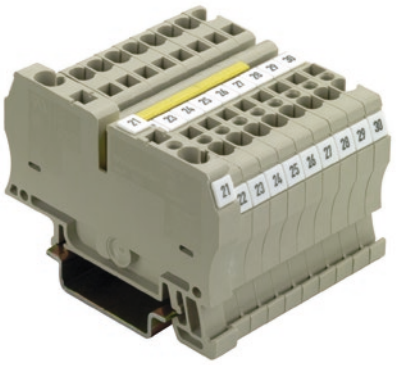
Maximum current flow I_{max} only with ZEI 16

Feed terminal	Cross-connection	Supply conductor cross-section area	Supply left or right	Supply middle
ZDU 2.5	ZQV 2.5	16 mm²	48 A	76 A
		25 mm²	48 A	89 A
ZDU 2.5/4AN	ZQV 2.5	16 mm²	48 A	76 A
		25 mm²	48 A	89 A
ZDU 4	ZQV 4	16 mm²	64 A	76 A
		25 mm²	66 A	100 A
ZDU 6	ZQV 6	16 mm²	76 A	76 A
		25 mm²	82 A	100 A

Supply with standard terminals

According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 meters away from the supply side and need not be positioned at the beginning of the supply side. The conductor before the output fuse must be routed to make it "short-circuit proof".

Supply on the left



Supply on the right



Supply options and corresponding cross-connections

on the left

Supply terminals			2.5 mm²									4 mm²			6 mm²	
Output terminals on the right			ZDU	ZDU 3AN	ZDU 4AN	ZDU N	ZDU N/3AN	ZDU N/4AN	ZTR	ZTR 3AN	ZTR 4AN	ZDU	ZDU 3AN	ZDU 4AN	ZDU	ZDU 3AN
1.5 mm²	ZDU	ZQV 1.5	• 1)		• 1)						• 1)					
	ZDU 3AN		•		• 1)						• 1)	•				
	ZDU 4AN		•		• 1)							•				
2.5 mm²	ZDU	ZQV 2.5										•	• 1)	• 1)	• 3)	• 1)
	ZDU 3AN											• 2)	• 2)	• 2)	• 2)	
	ZDU 4AN											•	• 1)	• 1)	•	• 1)
	ZDU N											•	• 1)	• 1)	•	• 1)
	ZDU N/3AN											• 2)	• 2)	• 2)	• 2)	
	ZDU N/4AN											•	• 1)	• 1)	•	• 1)
	ZTR											• 2)	• 2)	• 2)	• 2)	
	ZTR 3AN											• 2)	• 2)	• 2)	• 2)	
	ZTR 4AN											•	•	• 1)	•	• 1)
4 mm²	ZDU	ZQV 4													•	
	ZDU 3AN														•	
	ZDU 4AN														•	

on the right

Supply terminals			2.5 mm²									4 mm²			6 mm²	
Output terminals on the left			ZDU	ZDU 3AN	ZDU 4AN	ZDU N	ZDU N/3AN	ZDU N/4AN	ZTR	ZTR 3AN	ZTR 4AN	ZDU	ZDU 3AN	ZDU 4AN	ZDU	ZDU 3AN
1.5 mm²	ZDU	ZQV 1.5	•	• 2)					• 2)	• 2)					•	•
	ZDU 3AN		•	• 2)					• 2)	• 2)					•	•
	ZDU 4AN		• 1)	• 2)					• 2)	• 2)					• 1)	•
2.5 mm²	ZDU	ZQV 2.5										•	•	•	• 3)	•
	ZDU 3AN											• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU 4AN											• 1)	• 1)	• 1)	• 1)	• 1)
	ZDU N											•	•	•	•	•
	ZDU N/3AN											• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU N/4AN											• 1)	• 1)	• 1)	• 1)	• 1)
	ZTR											• 2)	• 2)	• 2)	• 2)	• 2)
	ZTR 3AN											• 2)	• 2)	• 2)	• 2)	• 2)
	ZTR 4AN											• 1)	• 1)	• 1)	• 1)	•
4 mm²	ZDU	ZQV 4													•	•
	ZDU 3AN															•
	ZDU 4AN															

1) with IEPL
2) with QVAR
3) Maximum current value at the smallest cross-section:
- ZDU 6 with ZQV 2.5/3 on ZDU 2.5 : 55A
- ZDU 6 with ZQV 2.5/4 on ZDU 2.5 : 57 A

Possible combinations

In one cross-connection channel



single





adjacent



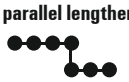


bridging

In two cross-connection channel



parallel bridging





parallel lengthening





chain bridge



Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type Standard terminals	Crosssection mm²	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
ZDU 1.5 ..	1.5	ZQV 1.5	•	•	•	•	•	•
ZDK 1.5	1.5	ZQV 1.5	•	•	•			
ZDK 1.5 V	1.5	ZQV 1.5	•	•	•	not bridgeable on top		
ZDK 1.5 DU-PE	1.5	ZQV 1.5	•	•	•	not bridgeable at bottom		
ZRV 1.5 ...	1.5	ZQV 1.5	•	•	•			
ZDU 2.5	2.5	ZQV 2.5	•	•	•	•	•	•
ZDU 2.5 / 3 AN	2.5	ZQV 2.5	•	•	•			
ZDU 2.5 / 4 AN	2.5	ZQV 2.5	•	•	•			
ZDU 2.5N ...	2.5	ZQV 2.5	•	•	•	•	•	•
ZDUA 2.5-2 ...	2.5	ZQV 2.5N	•	•	•			
ZDK 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZDK 2.5 ... PE	2.5	ZQV 2.5	•	•	•	not bridgeable at bottom		
ZDK 2.5-2 ...	2.5	ZQV 2.5	•	•	•			
ZDKPE 2.5-2/ ...	2.5	ZQV 2.5	•	•	•			
ZDLD 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZVLD 2.5	2.5	ZQV 2.5	•	•	•			
ZTR 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZTR 2.5-2	2.5	ZQV 2.5	•	•	•	•	•	•
ZTTR 2.5	2.5	ZQV 2.5N	•	•	•	•	•	•
ZDTR 2.5	2.5	ZQV 2.5N	•	•	•			
ZSI 2.5	2.5	ZQV 6	•	•	•			
ZSI 2.5 2x2AN	2.5	ZQV 4	•	•	•			
ZSI 2.5/2	2.5	ZQV 2.5	•	•	•			
ZT 2.5 ...	2.5	ZQV 2.5N	•	•	•	•	•	•
ZT 2.5/4AN/4	2.5	ZQV 2.5N	•	•	•			
ZP 2.5 ... QV	2.5	ZQV 2.5N	•	•	•			
ZRV 2.5 ...	2.5	ZQV 2.5/...	•	•	•			
ZDU 4 ...	4		•	•	•			
ZDK 4-2 ...	4		•	•	•			
ZDK 4-2 V	4		•	•	•	not bridgeable on top		
ZDK 4-2 ... PE	4		•	•	•	not bridgeable at bottom		
ZT 4 ...	4		•	•	•	•	•	•
ZDU 6	6		•	•	•			
ZDU 6-2 ...	6		•	•	•			
ZSI 6-2 ...	6		•	•	•			
ZTR 6-2	6		•	•	•			
ZDU 10 ...	10		•			•		
ZPE 10 ...	10		•			•		
ZDU 16	16		•			•		
ZPE 16	16		•			•		
ZDU 35	35		•			•		
ZPE 35	35		•			•		

Cross-connections according to dimensions

ZQV 1.5



Technical data	
Rated current	17.5 A

Ordering data	Type	Qty.	Order No.
1-pole			
2-pole	ZQV 1.5/2	60	**1776120000**
3-pole	ZQV 1.5/3	60	**1776130000**
4-pole	ZQV 1.5/4	60	**1776140000**
5-pole	ZQV 1.5/5	20	**1776150000**
6-pole			
7-pole			
8-pole			
9-pole			
10-pole	ZQV 1.5/10	20	**1776200000**
20-pole			
24-pole			
Note			

ZQV 2.5



Technical data	
Rated current	24 A

Type	Qty.	Order No.
ZQV 2.5/2	60	**1608860000**
ZQV 2.5/3	60	**1608870000**
ZQV 2.5/4	60	**1608880000**
ZQV 2.5/5	20	**1608890000**
ZQV 2.5/6	20	**1608900000**
ZQV 2.5/7	20	**1608910000**
ZQV 2.5/8	20	**1608920000**
ZQV 2.5/9	20	**1608930000**
ZQV 2.5/10	20	**1608940000**
ZQV 2.5/20	20	**1908960000**

ZQV 4



Technical data	
Rated current	32 A

Type	Qty.	Order No.
ZQV 4/2 GE	60	**1608950000**
ZQV 4/3 GE	60	**1608960000**
ZQV 4/4 GE	60	**1608970000**
ZQV 4/5 GE	20	**1608980000**
ZQV 4/6 GE	20	**1608990000**
ZQV 4/7 GE	20	**1609000000**
ZQV 4/8 GE	20	**1609010000**
ZQV 4/9 GE	20	**1609020000**
ZQV 4/10 GE	20	**1609030000**
ZQV 4/20 GE	20	**1909010000**

Cross-connections according to dimensions

ZQV 35-10

Reducing cross-connection



Technical data	
Rated current	125 A

Ordering data	Type	Qty.	Order No.
1-pole			
2-pole	ZQV 35-10	10	**7920100000**
3-pole			
4-pole			
5-pole			
6-pole			
7-pole			
8-pole			
9-pole			
10-pole			
20-pole			
24-pole			
Note			

ZQV 2.5N



Technical data	
Rated current	24 A

Type	Qty.	Order No.
ZQV 2.5N/2 GE	60	**1693800000**
ZQV 2.5N/3 GE	60	**1693810000**
ZQV 2.5N/4 GE	60	**1693820000**
ZQV 2.5N/5 GE	20	**1693830000**
ZQV 2.5N/6 GE	20	**1693840000**
ZQV 2.5N/7 GE	20	**1693850000**
ZQV 2.5N/8 GE	20	**1693860000**
ZQV 2.5N/9 GE	20	**1693870000**
ZQV 2.5N/10 GE	20	**1693880000**

ZQB 2.5



Technical data	
Rated current	24 A

Type	Qty.	Order No.
ZQB 2.5-2	50	**1677120000**

ZQV 6



41 A

Type	Qty.	Order No.
ZQV 6/2 GE	60	**1627850000**
ZQV 6/3 GE	60	**1627860000**
ZQV 6/4 GE	60	**1627870000**
ZQV 6/24 GE	10	**1908990000**

ZQV 10/2



57 A

Type	Qty.	Order No.
ZQV 10/2	25	**1739680000**

Only with use of 2 dummy cables

ZQV 16/2



76 A

Type	Qty.	Order No.
ZQV 16/2	25	**1739690000**

Only with use of 2 dummy cables

ZQV 35/2



125 A

Type	Qty.	Order No.
ZQV 35/2	10	**1739700000**

ZQS 2.5



24 A

Type	Qty.	Order No.
ZQS 2.5/2	20	**1633200000**
ZQS 2.5/3	20	**1633210000**
ZQS 2.5/4	20	**1633220000**
ZQS 2.5/5	20	**1633230000**

ZVQ 2.5/1.5



24 A

Type	Qty.	Order No.
ZVQ 2.5/1.5	50	**1720700000**

Test adapter

The ZTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

		ZTA 1	ZTA 2	ZTA 3
		For terminal width 5.1 mm	For terminal width 6.1 mm	For terminal width 8.1 mm
				
Dimensions				
Width / Length / Height	mm	5.1 / / 31.5	6.1 / / 31.5	8.1 / / 31.5
Stripping length	mm	6	6	6
Rated data				
Rated voltage	V			
Rated current	A	9	9	9
for wire cross-section	mm²	1.5	1.5	1.5
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²	0.5…1.5	0.5…1.5	0.5…1.5
Flexible / Flexible with ferrule	mm²	0.5…1.5	0.5…1.5	0.5…1.5
Ordering data				
	1-pole			
	with snap-in pegs			
Note				
Type		ZTA 1	ZTA 2 ZDU4	ZTA 3 ZDU6
Qty.		25	25	25
Order No.		**1609040000**	**1609060000**	**1654050000**
		ZTA 1/ZA	ZTA 2/ZA ZDU4	
		25	25	
		1609050000	**1609070000**	

Test adapter

The ZTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

		ZTA 6	ZTA 7	ZTA ZT2.5
		For terminal width 6.1 mm	For terminal width 8.1 mm	For terminal width 5.1 mm
				
Dimensions				
Width / Length / Height	mm	6.1 / / 31.5	8.1 / / 31.5	5.1 / / 20
Stripping length	mm	6	6	10
Rated data				
Rated voltage	V			
Rated current	A	17.5	9	17.5
for wire cross-section	mm²	1.5	1.5	1
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²	0.5…1.5	0.5…1.5	0.5…1
Flexible / Flexible with ferrule	mm²	0.75…1.5	0.5…1.5	0.5…1
Ordering data				
	1-pole			
	with snap-in pegs			
Note				
Type				ZTA ZT2.5
Qty.				25
Order No.				**1827080000**
		ZTA 6/ZA	ZTA 7/ZA	ZTA ZT2.5/ZA
		25	25	25
		1780660000	**1780670000**	**1847600000**

ZTA 4

For terminal width 5.1 mm



5.1 / / 31	
10	
11	
1.5	
0.5…1.5	
0.5…1.5	

Type	Qty.	Order No.
ZTA 4	25	**1688110000**

Test plug

The test points for the PS 2.3 and PS 2.0 test plugs are available for most Z-Series terminals. Quick measurements can be made by inserting the test plug into the opening provided.

Technical data	
current / current	-
Ordering data	
	Test plug
Note	

PS

Plug diameter 2.0 mm



Type	Qty.	Order No.
PS 2.0 OR	20	**0293800000**

PS 2.3 RT

Plug diameter 2.3 mm



Type	Qty.	Order No.
PS 2.3 RT	20	**0180400000**

PS ZQV test probes

PS ZQV



- Safe and hand-free measuring of terminals
- Insert into the ZQV contact
- Very flexible silicone safety-measurement cables connect to any measurement instrument.



Technical data

	Test probes
Rated voltage	1000
Max. voltage of clamp support & pluggable system	1000 V
Weight	
Note	For Feed-through terminals with a pitch of 3.5 mm to 8 mm.

Ordering data

Version	Type	Qty.	Order No.
	PS_ZQV_SET	1	**1116710000**
	PS_ZQV	1	**1121740000**
Note	1x measuring probe red, 1x measuring probe black.		

Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the center of the clamping point without the strands fraying.

Technical data	
Product type	
Ordering data	
0,13...0,2 mm², white	
0,25...0,5 mm², grey	
0,75...1,0 mm², dark grey	
Note	

ZRH 1.5 S



Reducing sleeve

Type	Qty.	Order No.
ZRH 1.5S/1	500	**1781950000**

Packaged in sets of 100 x 10-pole strips

ZRH 1.5 H



Reducing sleeve

Type	Qty.	Order No.
ZRH 1.5H/1	1000	**1678810000**
ZRH 1.5H/2	1000	**1678800000**

Packaged in sets of 100 x 10-pole strips

ZRH 1.5N



Reducing sleeve

Type	Qty.	Order No.
ZRH 1.5N/1	1000	**1632140000**
ZRH 1.5N/2	1000	**1632130000**

Packaged in sets of 100 x 10-pole strips

ZRH 2.5



Reducing sleeve

Type	Qty.	Order No.
ZRH 2.5/1 WS	1000	**1614300000**
ZRH 2.5/2 GR/V0	1000	**1614290000**
ZRH 2.5/3	1000	**1614280000**

Packaged in sets of 100 x 10-pole strips

ZRH 4



Reducing sleeve

Type	Qty.	Order No.
ZRH 4/1 WS	1000	**1636640000**

Packaged in sets of 100 x 10-pole strips

Label

TheBZTmarking tags enable you to label the middle of the marking channel with theWS 10/5tags. The marking tags can be put together with pins in order to achieve the greatest degree of stability.

Technical data	
Product type	
Ordering data	
one-sided, without peg	
one-sided, with peg	
two-sided, without peg	
Note	

BZT 1/BZT 2

Tag carriers



Marker holder

Type	Qty.	Order No.
BZT 1 WS 10/5	100	**1805490000**
BZT 1 ZA WS 10/5	100	**1805520000**
BZT 2 WS 10/5	100	**1805480000**

Additional connection

The contact element is placed in the cross-section channel and the latch clip in the screwdriver channel. It should then be pressed down until the end stop. The pitch spacing is 6 mm. Therefore only every other terminal can be occupied.

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage	-
Pollution severity	-
Ordering data	
with snap-in pegs	
Note	

ZZA 2.5/ZA



6.1 / 21-50	
400	
17.5	
2.5	
6 kV	
3	

Type	Qty.	Order No.
ZZA 2.5/ZA	50	**1649350000**

Component plug

The component plug is used for fitting electronic components.
If needed, the BZS 1 can be snapped on to the upper or lower cross-connection channel on the ZDK 2.5 tension-clamp terminals.

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated voltage with LED	
Rated current	A
Rated current with LED	
Rated impulse withstand voltage	-
Pollution severity	
Ordering data	
for holding 2 LEDs	
Note	

ZBS



10 / 22.3	
250	
30 V	
6	
1:00 AM	
4 kV	
3	

Type	Qty.	Order No.
ZBS1 F.D SET	10	**1764550000**

SIHA fuse holder

For 5 x 20 G-fuse cartridges
The SIHA fuse holder converts a simple disconnect terminal into a fuse terminal in next to no time.
Simply remove the isolating lever and insert the fuse plug.

- Simple handling – no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)
- Even fits on 5 mm wide terminals when fitted in offset arrangement



1. Open fuse holder with fingers or screwdriver.



2. Press out old fuse.





3. Position new fuse.



4. Press fuse holder together again with fingers or screwdrive.

- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20

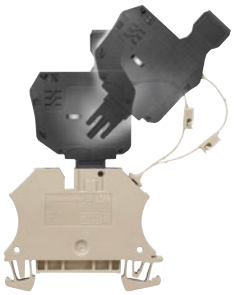


SIHA 3



without LED		Qty.	Order No.
SIHA3/G20	400 V	1	**7921560000**
with LED (red)			
SIHA3/G20	10 - 36 V	1	**7921570000**
	35 - 70 V	1	**7921580000**
	60 - 150 V	1	**7921590000**
	140 - 250 V	1	**7921600000**
For test-disconnect terminals versions			
ZTR 2.5/4 AN			
ZTR 2.5...			
ZTR 2.5-2			

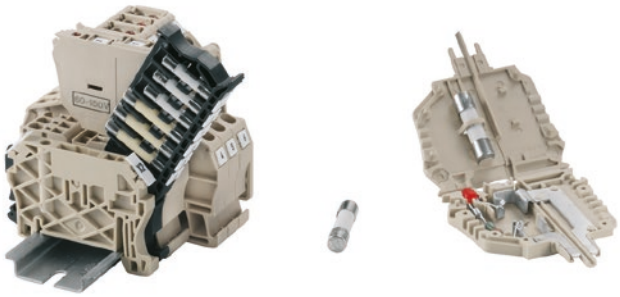
SIHA STRAP



with strap	Qty.	Order No.
SIHA STRAP	20	**9537680000**

Connector for "retro-fit" assembly
- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either on the left or on the right

Component isolating plugs



Fuse carrier ZST 1

The ZST 1 fuse-carrier can hold 6 device fuses (5 x 20 or 5 x 25 mm) which are available to be used during servicing work.

ZST 1



Ordering data	Type	Qty.	Order No.
	ZST 1	25	**1269070000**
Note			

Accessories holder ZST

The ZST group carrier is used for temporary "parking" of test plugs, cross-connections and fuses which are used during service work. The group carrier can be snapped on to the end of a terminal strip or to the TS 35 rail.

ZST

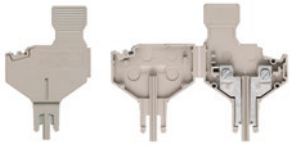


Ordering data	Type	Qty.	Order No.
	ZST	10	**1678680000**
Note			

Component plug (up to 250 V)

- Supports reversal

BEST



Ordering data	Type	Qty.	Order No.
without	BEST	50	**1833100000**
with wire jumper	BEST/DRBR	50	**1878570000**
with 1N4007 diode	BEST/D	50	**1878560000**
Note			

Disconnect plug

TNST



Ordering data	Type	Qty.	Order No.
yellow	TNST	50	**1833090000**
Note			

Reliability connects

Klippon® Connect sets standards with clamping yoke technology

Whatever your requirements for the panel: our screw connection system with patented clamping yoke technology ensures the ultimate in contact safety. You can use both screw-in and plug-in cross-connections for potential distribution. Two conductors of the same diameter can also be connected in a single terminal point in accordance with UL1059. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

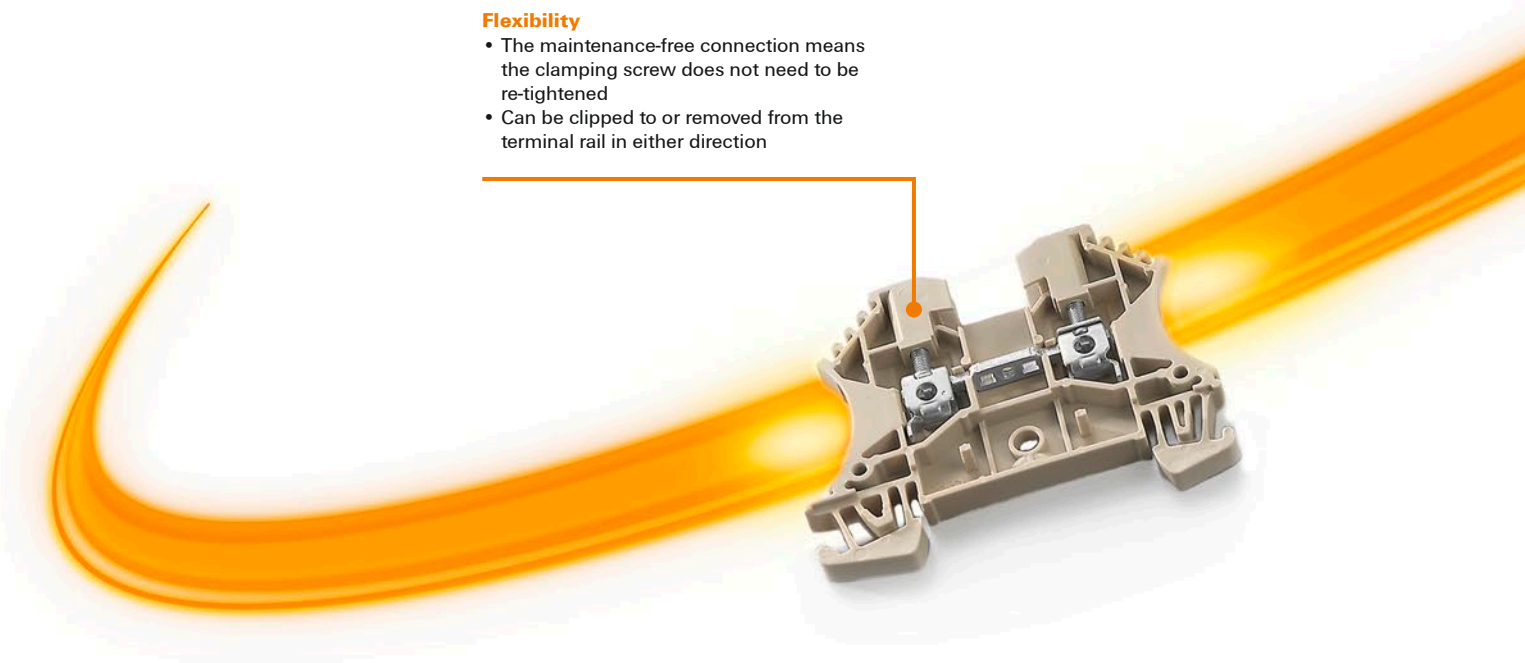


Our promise

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

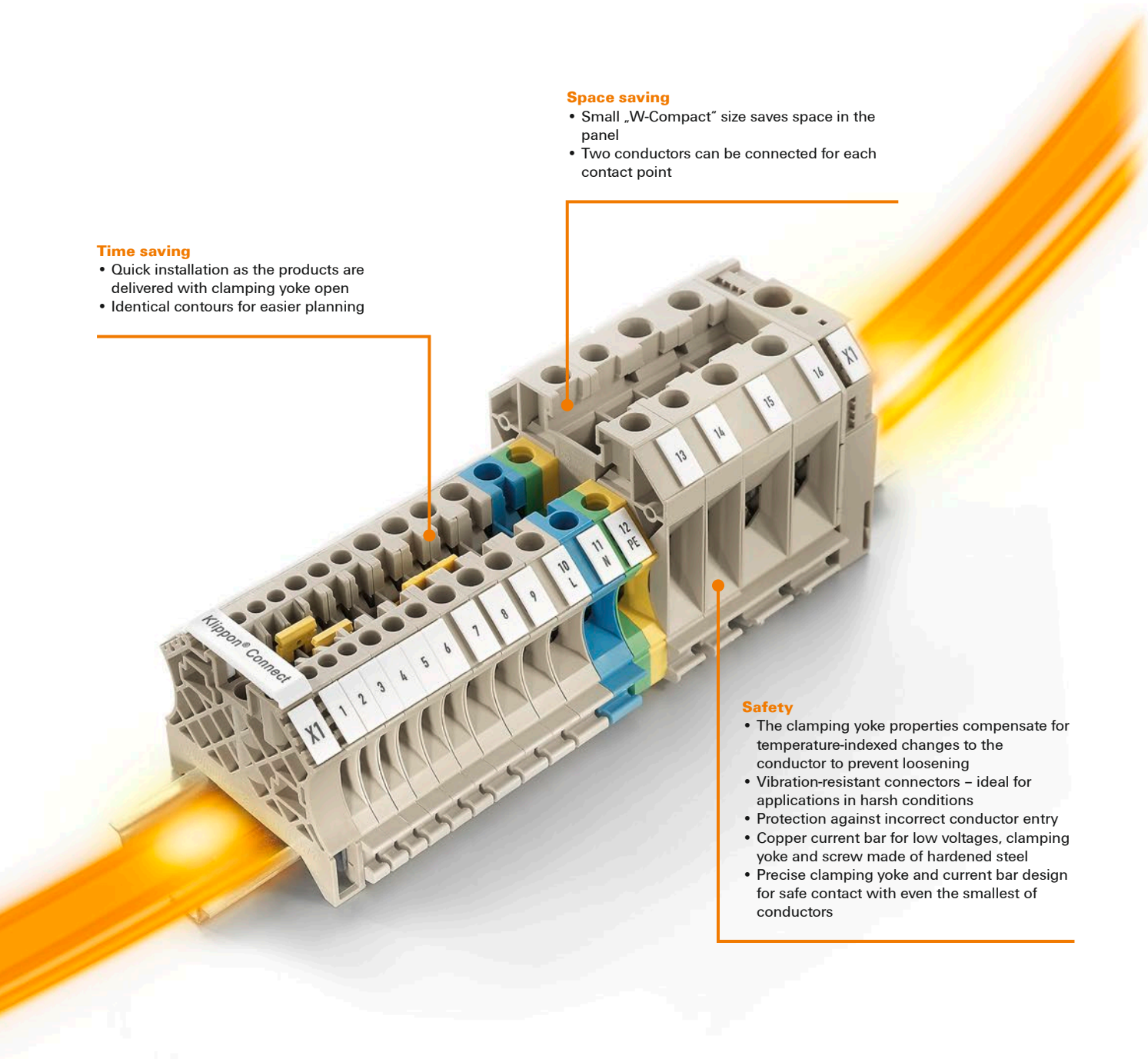
Flexibility

- The maintenance-free connection means the clamping screw does not need to be re-tightened
- Can be clipped to or removed from the terminal rail in either direction



Space saving
- Small „W-Compact“ size saves space in the panel
- Two conductors can be connected for each contact point

Time saving
- Quick installation as the products are delivered with clamping yoke open
- Identical contours for easier planning



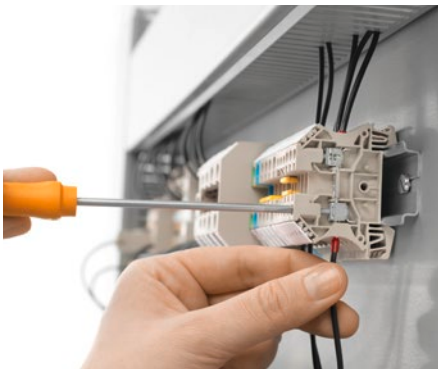
Safety
- The clamping yoke properties compensate for temperature-indexed changes to the conductor to prevent loosening
- Vibration-resistant connectors – ideal for applications in harsh conditions
- Protection against incorrect conductor entry
- Copper current bar for low voltages, clamping yoke and screw made of hardened steel
- Precise clamping yoke and current bar design for safe contact with even the smallest of conductors

Overview

You can rely on it: thanks to the range of models and real flexibility, our terminal blocks with clamping yoke technology can be used in a wide range of different applications.

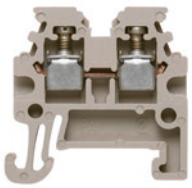
Universal application:
Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions.

Varied product assortment with wide clamping range:
Our terminal blocks with clamping yoke technology are available in both standard and compact designs. The compact design covers wire cross-sections from 0.05 mm^2 to 150 mm^2 and helps save space in the panel. The standard version covers conductor cross sections of up to 240 mm^2. The identical contours of the terminal blocks make configuration easier and reduces the quantity of accessories required.



WDU 1.5/R 3.5 — 1.5 mm²

Feed-through terminal for TS 15



Width/Height/Depth	3.5 x 24.5 x 24 mm
max. current / max. cond. cross-section	**17.5 / 1.5** A/mm²
Max. clamping range	**0.13...1.5** mm²

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

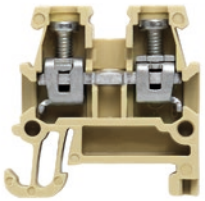
IEC	UL	CSA	EN 60079-7
400	300	300	275
17.5	15	10	15
1.5	AWG 26...14	AWG 26...14	1.5 mm²
	4 kV / 3		
	A1 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
0.5...1.5 / 1.5...1.5	
0.5...1.5 / 0.5...0.5	2.5
/ (M 2)	
7 / 0.4 x 2.5 mm	
0.5...0.75	
0.5...0.75 / 0.5...0.5	

PZ 6/5 recommended as crimping tool for 1.5 mm² with wire-end ferrule

AKZ 1.5 — 1.5 mm²

Feed-through terminal for TS 15



Width/Height/Depth	5.1 x 24.8 x 24 mm
max. current / max. cond. cross-section	**24 / 2.5** A/mm²
Max. clamping range	**0.21...2.5** mm²

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
250	150	300	220
17.5	15	10	17.5
1.5	AWG 22...14	AWG 24...16	2.5 mm²
	4 kV / 3		
	A1 / V-2		
			TUEV18ATEX8221U

Rated connection	Further connection
0.5...2.5 / 1.5...1.5	
0.5...1.5 / 0.5...1.5	
/ (M 2.5)	
7 / 3.0 x 0.5 mm	
0.5...1	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 1.5/R3.5	100	**1753280000**
beige			
Blue	WDU 1.5/R3.5 BL	100	**1754170000**

Note

Version	Type	Qty.	Order No.
	AKZ 1.5	100	**0340460000**
	AKZ 1.5 BL	100	**0340480000**

AKZ 1.5 order No. 0340460000 and 0340480000 made of PA with flammability rating acc. to UL 94/V-2

Accessories

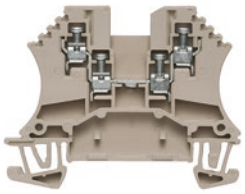
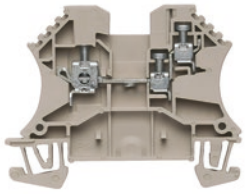
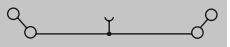
Screwable cross-connection	Type	Qty.	Order No.
2-pole			
10-pole			
End plate / Partition plate			
dark beige	WAP WDU1.5/R3.5	20	**1754190000**
Blue			
End bracket			
dark beige	EW 15	50	**0382860000**
Testing / Checking			
Test plug			
Socket			
Marking tags			
	DEK 5/3.5 MC NE WS	500	**1755270000**
	DEK 5/3.5 MM WS	1000	**2007100000**
	WS 8/3.5 MM WS	1000	**2007140000**
Plug-in cross-connection			
2-pole	ZQV 1.5N/R3.5/2 GE	17.5 A 50	**1754210000**
10-pole	ZQV 1.5N/R3.5/10 GE	17.5 A 20	**1754290000**

Screwable cross-connection	Type	Qty.	Order No.
	Q 2 AKZ1.5	24 A 50	**0368200000**
	Q 10 AKZ1.5	24 A 20	**0368500000**
	AP AKZ1.5	50	**0340560000**
	AP AKZ1.5 BL	50	**0340580000**
	EW 15	50	**0382860000**
	PS 2.3 RT	20	**0180400000**
	STB 8.5/D4/2.3/M2.5 AKZ	50	**0215700000**
	DEK 5/5 MC NE WS	1000	**1609801044**

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

	WDU 1.5/ZZ	WDU 2.5/1.5/ZR
	1.5 mm²	2.5 mm²
	Twin connection	Supplementary connection, right
		
Width/Height/Depth	5.1 x 60 x 46.5	5.1 x 60 x 46.5
max. current / max. cond. cross-section	23 / 2.5	32 / 4
Max. clamping range	0.13...2.5	0.05...4
		
	IEC 60947-7-1 Ex eb II C Gb II 2 G D	IEC 60947-7-1 Ex eb II C Gb II 2 G D

Technical data

	IEC	UL	CSA	EN 60079-7
Rated data				
Rated voltage	800	300	300	550
Rated current	17.5	25	10	17.5
for wire cross-section	1.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0			
Approvals	DEMKO14ATEX1338U			

Rated connection	Further connection
Clamped conductors (H05V/H07V)	
Solid / Stranded	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1.5
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)
Stripping length / Blade size	7 / 0.6 x 3.5 mm
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	0.5...1
Flexible / Flexible with ferrule	0.5...1 / 0.5...0.75

Rated connection	Further connection
Clamped conductors (H05V/H07V)	
Solid / Stranded	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.5...2.5 / 0.5...2.5
Stripping length / Blade size	0.5...1.5 / 0.5...1.5
	/ (M 2.5)
	10 / 0.6 x 3.5 mm
2 conductors with same cross-section (H05V/H07V)	7 / SD 0.6 x 3.5
Solid / Stranded	0.5...1
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1.5

Note	
	Note the max. current of the terminal (23 A) when using the WQV cross-connector!

Note	
	2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 1.5/ZZ	100	1031400000
Blue	WDU 1.5/ZZ BL	100	1031480000

Note	
	The rated voltage is 400 V when using the ZQV cross-connector, additional connection (right 1.5 mm²)

Version	Type	Qty.	Order No.
dark beige	WDU 2.5/1.5/ZR	100	1024700000
Blue	WDU 2.5/1.5/ZR BL	100	1024780000

Accessories

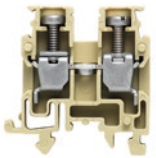
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
Screwable cross-connection				
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP 2.5-10		50	1050000000
Blue	WAP 2.5-10 BL		50	1050080000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000
Blue	WAP 16+35 WTW 2.5-10 BL		20	1050180000
End bracket				
dark beige	WEW 35/2		50	1061200000
Testing / Checking				
Standard	WTA 2 WDU2.5-10	6 A	25	1632320000
With spigot	WTA 2/ZA WDU2.5-10	6 A	25	1632330000
Cover				
With lightning flash symbol	WAD 4 GE BED		50	1072000000
Blank, white	WAD 4 WS		50	1072100000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
Screwable cross-connection				
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP 2.5-10		50	1050000000
Blue	WAP 2.5-10 BL		50	1050080000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000
Blue	WAP 16+35 WTW 2.5-10 BL		20	1050180000
End bracket				
dark beige	WEW 35/2		50	1061200000
Testing / Checking				
Standard	WTA 2 WDU2.5-10	6 A	25	1632320000
With spigot	WTA 2/ZA WDU2.5-10	6 A	25	1632330000
Cover				
With lightning flash symbol				
Blank, white				
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

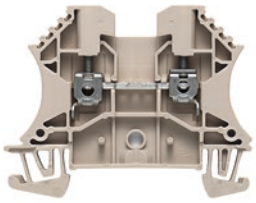
For detailed information on other accessories and application in the online catalogue	Cross-connections, socket and test plug, see section "W series accessories".	Note: Use a 2.5 / 1 mm² conductor with the WQB. Cross-connections, see section "W series accessories".

AKZ 2.5 — 2.5 mm²

Feed-through terminal for TS 15



WDU 2.5 — 2.5 mm²



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

AKZ 2.5	WDU 2.5
5.1 x 25.5 x 26.3	5.1 x 60 x 46.5
32 / 4	**32 / 4**
0.13...4	**0.05...4**

Technical data

	AKZ 2.5				WDU 2.5			
IEC 60947-7-1			Ex eb II C Gb	II 2 G D	IEC 60947-7-1		Ex eb II C Gb	II 2 G D
Rated data								
	IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	250	300	300	220	800	600	600	690
Rated current	24	10	10	24	24	25	20	24
for wire cross-section	2.5	AWG 26...12	AWG 26...10	4 mm²	2.5	AWG 30...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity	4 kV / 3				8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-2				A3 / V-0			
Approvals	TUEV18ATEX8221U				DEMKO14ATEX1338U			
Clamped conductors (H05V/H07V)								
	Rated connection		**Further connection**		**Rated connection**		**Further connection**	
Solid / Stranded	0.5...4 / 1.5...2.5				0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)				/ (M 2.5)			
Stripping length / Blade size	7 / 0.5 x 3.0 mm				10 / 0.6 x 3.5 mm			
2 conductors with same cross-section (H05V/H07V)								
Solid / Stranded	0.5...1.5				0.5...1.5			
Flexible / Flexible with ferrule					0.5...1.5 / 0.5...1.5			
Note					2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).			

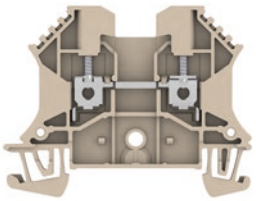
Ordering data

Version	AKZ 2.5 Type	Qty.	Order No.	WDU 2.5 Type	Qty.	Order No.
dark beige				WDU 2.5	100	**1020000000**
beige	AKZ 2.5	100	**0697160000**			
Blue	AKZ 2.5 BL	100	**0697180000**	WDU 2.5 BL	100	**1020080000**
Note	AKZ 2.5 order No. 0697160000 and 0697180000 made of PA with flammability rating acc. to UL 94/V-2			Rated voltage is 400 V when using the cross-connector. For colour versions, see section on W-series Accessories		

Accessories

	AKZ 2.5 Type		Qty.	Order No.	WDU 2.5 Type		Qty.	Order No.
Plug-in cross-connection								
2-pole					ZQV 2.5N/2	24 A	60	**1527540000**
10-pole					ZQV 2.5N/10	24 A	20	**1527690000**
Screwable cross-connection								
2-pole	Q 2 AKZ1.5	24 A	50	**0368200000**	WQV 2.5/2	32 A	50	**1053660000**
10-pole	Q 10 AKZ1.5	24 A	20	**0368500000**	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate								
dark beige	AP AKZ2.5		50	**0697360000**	WAP 2.5-10		50	**1050000000**
Blue	AP AKZ2.5 BL		50	**0697380000**	WAP 2.5-10 BL		50	**1050080000**
dark beige	TW AKZ2.5		20	**0318560000**	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue					WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket								
dark beige	EW 15		50	**0382860000**	WEW 35/2		50	**1061200000**
Testing / Checking								
Standard					WTA 2 WDU2.5-10	6 A	25	**1632320000**
With spigot					WTA 2/ZA WDU2.5-10	6 A	25	**1632330000**
Test plug	PS 2.3 RT		20	**0180400000**				
Socket	STB 8.5/D4/2.3/M2.5 AKZ		50	**0215700000**				
Cover								
Blank, yellow					WAD 5 MC NE GE		48	**1112920000**
Blank, white					WAD 5 MC NE WS		48	**1112910000**
With lightning flash symbol								
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
					WS 12/5 MC NE WS		720	**1609860000**
					DEK 5/5 MM WS		800	**2007110000**
					WS 8/5 MM WS		800	**2007150000**
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".				Ensure 2.5 mm² max. when using the WQB. Only 400 V with the use of shield bus LS 2.8 1056400000 .			

WDU 2.5 HV — 2.5 mm²



5.1 x 60 x 46.5
32 / 4
0.05...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

CE

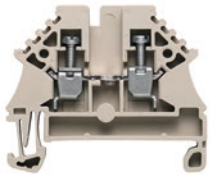
Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 2.5 HV	100	**1412950000**

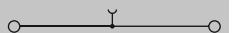
Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/2		50	**1061200000**
WTA 2 WDU2.5-10	6 A	25	**1632320000**
WTA 2/ZA WDU2.5-10	6 A	25	**1632330000**
WAD 5 MC NE GE		48	**1112920000**
WAD 5 MC NE WS		48	**1112910000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

WDU 2.5N — 2.5 mm²

With screwable cross-connection
Compact design



5.1 x 44 x 37
32 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	352
24	20	20	24
2.5	AWG 22...12	AWG 26...12	2.5 mm²
	6 kV / 3		
	A3 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Type	Qty.	Order No.
WDU 2.5N	100	**1023700000**
WDU 2.5N BL	100	**1023780000**

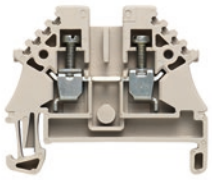
For colour versions, see section on W-series Accessories - specific functions.

Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDU2.5N/4N		50	**1060000000**
WAP WDU2.5N/4N BL		50	**1060080000**
EW 35		50	**0383560000**
WTA 1 WDU1.5	6 A	25	**1632290000**
WTA 1/ZA WDU1.5	6 A	25	**1632300000**
WAD 4 WS		50	**1072100000**
WAD 4 GE BED		50	**1072000000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Socket and test plug, see section "W-Series accessories".

WDU 2.5N/ZQV — 2.5 mm²

With pluggable cross-connection
Compact design



5.1 x 44 x 37
32 / 4
0.05...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
24		25	
2.5		AWG 26...12	
	6 kV / 3		
	A3 / V-0		

CE

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.25...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

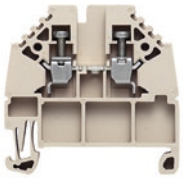
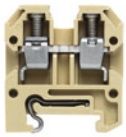
Type	Qty.	Order No.
WDU 2.5N ZQV	100	**1040800000**
WDU 2.5N ZQV BL	100	**1040880000**

Rated voltage is 400 V when using the ZQV cross-connector.

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDU2.5N/4N		50	**1060000000**
WAP WDU2.5N/4N BL		50	**1060080000**
EW 35		50	**0383560000**
WTA 1 WDU1.5	6 A	25	**1632290000**
WTA 1/ZA WDU1.5	6 A	25	**1632300000**
WAD 4 WS		50	**1072100000**
WAD 4 GE BED		50	**1072000000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Cross-connections, see section "W series accessories".

Screw connection with clamping yoke technology (W-Series)
Feed-through terminal blocks

	WDU 2.5N/600 UL	AKZ 4
	2.5 mm²	4 mm²
	Compact design	Feed-through terminal for TS 15
		
Width/Height/Depth mm	5.1 x 44 x 42.7	6.1 x 27 x 29
max. current / max. cond. cross-section A/mm²	32 / 4	41 / 6
Max. clamping range mm²	0.05...4	0.13...6

Technical data

	WDU 2.5N/600 UL	AKZ 4
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A		Ex eb II C Gb II 2 G D
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	600	600		400	300	300	275
24	25	20		32	27	10	32
2.5	AWG 22...12	AWG 26...12		4	AWG 26...12	AWG 24...12	6 mm²
	8 kV / 3				6 kV / 3		
	A3 / V-0				A3 / V-2		

	WDU 2.5N/600 UL	AKZ 4
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Tightening torque (clamping screw for copper conductors) -		
Stripping length / Blade size mm/-		
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule -		

Rated connection	Further connection	Rated connection	Further connection
0.5...4 / 1.5...4		0.5...6 / 1.5...4	
0.5...4 / 0.5...2.5		0.5...4 / 0.5...2.5	
/ (M 2.5)		/ (M 3)	
10 / 0.6 x 3.5 mm		8 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5		0.5...1.5 / 0.5...1.5	
/ 0.5...1.5			

	WDU 2.5N/600 UL	AKZ 4
Note	2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

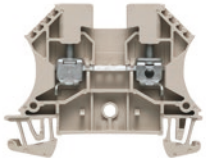
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WDU 2.5N/600UL	100	1730940000			
beige				AKZ 4	100	0294360000
Blue				AKZ 4 BL	100	0294380000
Note				AKZ 4 order No. 0294360000 and 0294380000 made of PA with flammability rating acc. to UL 94/V-2		

Accessories

Plug-in cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole								
10-pole								
Screwable cross-connection								
2-pole	WQV 2.5/2	32 A	50	1053660000	Q 2 AKZ4	24 A	50	0336400000
10-pole	WQV 2.5/10	32 A	20	1054460000	Q 10 AKZ4	24 A	20	0368600000
End plate / Partition plate								
dark beige	WAP WDU2.5N/4N		50	1060000000	AP AKZ4		20	0294460000
Blue	WAP WDU2.5N/4N BL		50	1060080000	AP AKZ4 BL		20	0294480000
dark beige					TW AKZ4		50	0348260000
Blue								
End bracket								
dark beige	WEW 35/2		50	1061200000	EW 15		50	0382860000
Testing / Checking								
Standard	WTA 1 WDU1.5	6 A	25	1632290000				
With spigot	WTA 1/ZA WDU1.5	6 A	25	1632300000				
Test plug					PS 2.3 RT		20	0180400000
Socket					STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
Cover								
Blank, white	WAD 4 WS		50	1072100000				
Blank, yellow								
With lightning flash symbol	WAD 4 GE BED		50	1072000000				
Marking tags								
	WS 8/5 MM WS		800	2007150000				
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/6 MC NE WS		1000	1609820000
	DEK 5/5 MM WS		800	2007110000				
	WS 12/5 MC NE WS		720	1609860000				
For detailed information on other accessories and application in the online catalogue	Socket and test plug, see section "W-Series accessories".				Cross-connections, see section "W series accessories".			

WDU 4 — 4 mm²



6.1 x 60 x 46.5
41 / 6
0.13...6

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	35	35	32
4	AWG 26...10	AWG 26...10	4 mm²
	8 kV / 3		
	A4 / V-0		
	DEMKO14ATEX1338U		

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
/ (M 3)	
10 / 0.6 x 3.5 mm	
0.5...2.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is 400 V when using the ZQV cross-connector.
Note max. current of terminal (41 A) when using WQV!

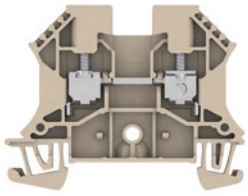
Type	Qty.	Order No.
WDU 4	100	**1020100000**
WDU 4 BL	100	**1020180000**

1000 VDC rated voltage tested. Rated voltage is 400 V when using the cross-connector. For alternative colours, see section on W-series accessories

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
WQV 4/2	41 A	50	**1051960000**
WQV 4/10	41 A	20	**1052060000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/2		50	**1061200000**
WTA 3 WDU4	6 A	25	**1632350000**
WTA 3/ZA WDU4	6 A	25	**1632360000**
WAD 5 MC NE WS		48	**1112910000**
WAD 5 MC NE GE		48	**1112920000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MM WS		600	**2007120000**

Socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

WDU 4 HV — 4 mm²



6.1 x 60 x 46.5
41 / 6
0.13...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			
	8 kV / 3		
	A4 / V-0		

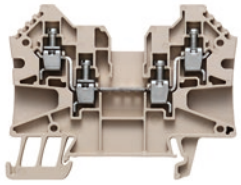
Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
/ (M 3)	
10 / 0.6 x 3.5 mm	
0.5...2.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 4 HV	100	**1412960000**

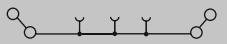
Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
WQV 4/2	41 A	50	**1051960000**
WQV 4/10	41 A	20	**1052060000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/2		50	**1061200000**
WTA 3 WDU4	6 A	25	**1632350000**
WTA 3/ZA WDU4	6 A	25	**1632360000**
WAD 5 MC NE WS		48	**1112910000**
WAD 5 MC NE GE		48	**1112920000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MC NE WS		1000	**1609820000**
DEK 5/6 MM WS		600	**2007120000**

WDU 4/ZZ — 4 mm²

Twin connection



6.1 x 70 x 53
32 / 6
0.05...6



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	30	30	29.5
4	AWG 30...10	AWG 30...10	4 mm²
	8 kV / 3		
	A4 / V-0		
	DEMKO14ATEX1338U		

Rated connection	Further connection
0.5...6	
0.5...4	
/ (M 3)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

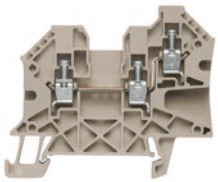
Type	Qty.	Order No.
WDU 4/ZZ	50	**1905060000**
WDU 4/ZZ BL	50	**1114720000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
WAP WDU/WTR4/ZZ		50	**1905150000**
WEW 35/2		50	**1061200000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MC NE WS		1000	**1609820000**
DEK 5/6 MM WS		600	**2007120000**

Cross-connections, see section "W series accessories".

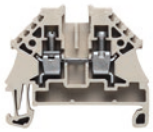
WDU 4/ZR — 4 mm²

Supplementary connection, right



WDU 4N — 4 mm²

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

WDU 4/ZR	WDU 4N
6.1 x 63.5 x 53	6.1 x 44 x 37.7
32 / 6	**39 / 6**
0.05...6	**0.13...6**

Technical data

	WDU 4/ZR	WDU 4N
IEC 60947-7-1	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
Rated data		
Rated voltage V	IEC 800 / UL 600 / CSA 600 / EN 60079-7 690	IEC 500 / UL 300 / CSA 300 / EN 60079-7 352
Rated current A	32 / 30 / 30 / 31	32 / 10 / 10 / 31
for wire cross-section mm²	4 / AWG 30...10 / AWG 30...10 / 4 mm²	4 / AWG 26...10 / AWG 26...10 / 4 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0	A4 / V-0
Approvals	DEMKO14ATEX1338U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		
	Rated connection / **Further connection**	**Rated connection** / **Further connection**
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 1.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque (clamping screw for copper conductors) -	/ (M 3)	/ (M 3)
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	11 / 0.6 x 3.5 mm
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 4/ZR	50	**1905140000**
Blue			
Note			

Type	Qty.	Order No.
WDU 4N	100	**1042600000**
WDU 4N BL	100	**1042680000**

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**
End plate / Partition plate				
dark beige	WAP WDU/WTR4/ZR		50	**1905070000**
Blue				
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Testing / Checking				
Standard				
With spigot				
Cover				
With lightning flash symbol				
Blank, white				
Marking tags	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**

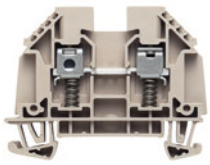
	Type		Qty.	Order No.
	ZQV 4N/2	32 A	60	**1527930000**
	ZQV 4N/10	32 A	20	**1528090000**
	WAP WDU2.5N/4N		50	**1060000000**
	WAP WDU2.5N/4N BL		50	**1060080000**
	WEW 35/2		50	**1061200000**
	WTA 1 WDU1.5	6 A	25	**1632290000**
	WTA 1/ZA WDU1.5	6 A	25	**1632300000**
	WAD 4 GE BED		50	**1072000000**
	WAD 4 WS		50	**1072100000**
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**

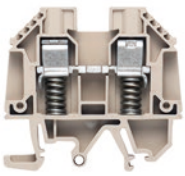
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

	WDU 4 SL	4 mm²	WDU 4 SL/EN	4 mm²





Width/Height/Depth	mm	6.1 x 60 x 46.5
max. current / max. cond. cross-section	A/mm²	41 / 6
Max. clamping range	mm²	0.22...6



Width/Height/Depth	mm	6.1 x 60 x 51.5
max. current / max. cond. cross-section	A/mm²	41 / 6
Max. clamping range	mm²	0.22...6



Technical data

Rated data						
Rated voltage	V	IEC 60947-7-1	IEC	UL	CSA	EN 60079-7
Rated current	A		630	600	300	440
for wire cross-section	mm²		32	30	25	32
Rated impulse withstand voltage / Pollution severity			4	AWG 22...10	AWG 22...10	4 mm²
Gauge to IEC 60947-1 / UL 94 flammability rating				6 kV / 2		
Approvals				A4 / V-0		
Clamped conductors (H05V/H07V)				DEMKO14ATEX1338U		
Solid / Stranded	mm²		**Rated connection**	**Further connection**		
Flexible / Flexible with ferrule	mm²		0.5...6 / 1.5...6			
Tightening torque (clamping screw for copper conductors)	-		0.5...4			
Stripping length / Blade size	mm/-		/ (M 3)			
2 conductors with same cross-section (H05V/H07V)			15 / 0.6 x 3.5 mm			
Solid / Stranded	mm²					
Flexible / Flexible with ferrule	mm²		0.5...1.5			
			0.5...1.5 / 0.5...1.5			
Note			Note the max. current of the terminal (41 A) when using the cross-connector!			

Rated data						
Rated voltage	V	IEC 60947-7-1	IEC	UL	CSA	EN 60079-7
Rated current	A		630	600	300	690
for wire cross-section	mm²		32	30	25	32
Rated impulse withstand voltage / Pollution severity			4	AWG 22...10	AWG 22...10	4 mm²
Gauge to IEC 60947-1 / UL 94 flammability rating				6 kV / 2		
Approvals				A4 / V-0		
Clamped conductors (H05V/H07V)				DEMKO14ATEX1338U		
Solid / Stranded	mm²		**Rated connection**	**Further connection**		
Flexible / Flexible with ferrule	mm²		0.5...6 / 1.5...6			
Tightening torque (clamping screw for copper conductors)	-		0.5...4			
Stripping length / Blade size	mm/-		/ (M 3)			
2 conductors with same cross-section (H05V/H07V)			15 / 0.6 x 3.5 mm			
Solid / Stranded	mm²					
Flexible / Flexible with ferrule	mm²		0.5...1.5			
			0.5...1.5 / 0.5...1.5			
Note			Note the max. current of the terminal (41 A) when using the cross-connector!			

Ordering data

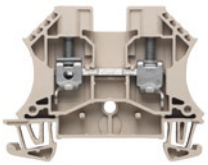
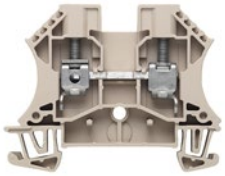
Version		**Type**		**Qty.**	**Order No.**
dark beige		WDU 4 SL		50	**9537440000**
dark beige					
Blue		WDU 4 SL BL		50	**9203060000**
Note		With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).			

Version		**Type**		**Qty.**	**Order No.**
dark beige		WDU 4 SL/EN		50	**9537450000**
dark beige					
Blue					
Note		With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).			

Accessories

Screwable cross-connection		**Type**		**Qty.**	**Order No.**
2-pole		WQV 4/2	41 A	50	**1051960000**
10-pole		WQV 4/10	41 A	20	**1052060000**
End plate / Partition plate					
dark beige		WAP 2.5-10		50	**1050000000**
Blue					
dark beige		WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue					
End bracket					
dark beige		WEW 35/2		50	**1061200000**
Testing / Checking					
Standard		WTA 3 WDU4	6 A	25	**1632350000**
Cover					
Blank, yellow					
Blank, white					
Marking tags					
		WS 12/6 MC NE WS		600	**1609900000**
Plug-in cross-connection					
2-pole		ZQV 4N/2	32 A	60	**1527930000**
10-pole		ZQV 4N/10	32 A	20	**1528090000**
Hak. Cable lugs					
		HBT 1,5 - 3,0 RT		100	**1312440000**
		HBT 2,5 - 3,0 BL		100	**1312450000**
For detailed information on other accessories and application in the online catalogue		Cross-connections, see section "W series accessories".			

Screwable cross-connection		**Type**		**Qty.**	**Order No.**
2-pole		WQV 4/2	41 A	50	**1051960000**
10-pole		WQV 4/10	41 A	20	**1052060000**
End plate / Partition plate					
dark beige		WAP 2.5-10		50	**1050000000**
Blue					
dark beige		WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue					
End bracket					
dark beige		WEW 35/2		50	**1061200000**
Testing / Checking					
Standard		WTA 3 WDU4	6 A	25	**1632350000**
Cover					
Blank, yellow					
Blank, white					
Marking tags					
		WS 12/6 MC NE WS		600	**1609900000**
Plug-in cross-connection					
2-pole		ZQV 4N/2	32 A	60	**1527930000**
10-pole		ZQV 4N/10	32 A	20	**1528090000**
Hak. Cable lugs					
		HBT 1,5 - 3,0 RT		100	**1312440000**
		HBT 2,5 - 3,0 BL		100	**1312450000**
For detailed information on other accessories and application in the online catalogue		Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.			

	WDU 6	6 mm²	WDU 6 HV	6 mm²
				
Width/Height/Depth mm	7.9 x 60 x 46.5		7.9 x 60 x 46.5	
max. current / max. cond. cross-section A/mm²	57 / 10		57 / 10	
Max. clamping range mm²	0.22...10		0.22...10	

Technical data

	WDU 6				WDU 6 HV			
Rated data								
Rated voltage V	IEC 60947-7-1			Ex eb II C Gb II 2 G D	IEC 60947-7-1			
Rated current A	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	800	600	600	690	1000			
Rated impulse withstand voltage / Pollution severity	41	50	50	41	41			
Gauge to IEC 60947-1 / UL 94 flammability rating	6	AWG 22...8	AWG 22...8	6 mm²	6			
Approvals			8 kV / 3				8 kV / 3	
			A5 / V-0				A5 / V-0	
				DEMKO14ATEX1338U				
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Flexible / Flexible with ferrule mm²	0.5...10 / 1.5...10				0.5...10 / 1.5...10			
Tightening torque (clamping screw for copper conductors) -	0.5...10 / 0.5...6				0.5...10 / 0.5...6			
Stripping length / Blade size mm/-	/ (M 3.5)				/ (M 3.5)			
2 conductors with same cross-section (H05V/H07V)	12 / 0.8 x 4.0 mm				12 / 0.8 x 4.0 mm			
Solid / Stranded mm²								
Flexible / Flexible with ferrule mm²	0.5...2.5							
	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Note	Note max. current of terminal (57 A) when using WQV! Wire connection H07V-...10 and AWG 8 with tightening torque of 1.4-1.6 Nm.							

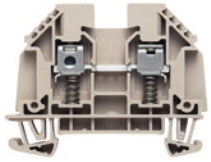
Ordering data

	WDU 6			WDU 6 HV		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	WDU 6	100	**1020200000**	WDU 6 HV	100	**1412970000**
dark beige				WDU 6 IR	100	**1393350000**
Blue	WDU 6 BL	100	**1020280000**			
Note	1000 V DC rated voltage tested. For colour versions, see section on W-series Accessories - specific functions.					

Accessories

	WDU 6				WDU 6 HV			
Screwable cross-connection	**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
2-pole	WQV 6/2	57 A	50	**1052360000**	WQV 6/2	57 A	50	**1052360000**
10-pole	WQV 6/10	57 A	20	**1052260000**	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate								
dark beige	WAP 2.5-10		50	**1050000000**	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket								
dark beige	WEW 35/2		50	**1061200000**	WEW 35/2		50	**1061200000**
Testing / Checking								
Standard	WTA 3 WDU4	6 A	25	**1632350000**	WTA 3 WDU4	6 A	25	**1632350000**
Cover								
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**	WAD 8 MC NE GE		48	**1112950000**
Blank, white	WAD 8 MC NE WS		48	**1112940000**	WAD 8 MC NE WS		48	**1112940000**
Marking tags								
	DEK 5/8 MC NE WS		800	**1856740000**	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 12/8 PLUS MC NE WS		420	**1906000000**
	WS 8/8 MM WS		500	**2007170000**	WS 8/8 MM WS		500	**2007170000**
	DEK 5/8 MM WS		500	**2007130000**	DEK 5/8 MM WS		500	**2007130000**
Plug-in cross-connection								
2-pole								
10-pole								
Hak. Cable lugs								
For detailed information on other accessories and application in the online catalogue	Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.							

WDU 6 SL — 6 mm²



7.9 x 60 x 46.5
57 / 6
0.5...6

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	275
41	50	45	40
6	AWG 20...8	AWG 20...8	6 mm²
	6 kV / 2		
	A5 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6 6	
0.5...6	
/ (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

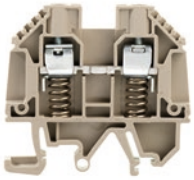
Type		Qty.	Order No.
WDU 6 SL		50	**9537460000**

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type		Qty.	Order No.
WQV 6/2	57 A	50	**1052360000**
WQV 6/10	57 A	20	**1052260000**
WAP 2.5-10		50	**1050000000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
WTA 5/1	6 A	25	**1051260000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 12/6.5 MC NE WS		540	**1609920000**
WS 8/8 MM WS		500	**2007170000**
DEK 5/8 MM WS		500	**2007130000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

WDU 6 SL/EN — 6 mm²



7.9 x 60 x 51.1
57 / 6
0.5...6

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	440
41	50	45	40
6	AWG 20...8	AWG 20...8	6 mm²
	6 kV / 2		
	A5 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6 6	
0.5...6	
/ (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Type		Qty.	Order No.
WDU 6 SL/EN		50	**9537470000**

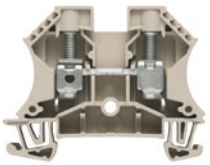
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type		Qty.	Order No.
WQV 6/2	57 A	50	**1052360000**
WQV 6/10	57 A	20	**1052260000**
WAP 2.5-10		50	**1050000000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
WTA 5/1	6 A	25	**1051260000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 12/6.5 MC NE WS		540	**1609920000**
WS 8/8 MM WS		500	**2007170000**
DEK 5/8 MM WS		500	**2007130000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

Screw connection with clamping yoke technology (W-Series)
Feed-through terminal blocks

	WDU 10	10 mm²	WDU 10 IR	10 mm²





Width/Height/Depth	mm	9.9 x 60 x 46.5	9.9 x 60 x 46.5
max. current / max. cond. cross-section	A/mm²	**76 / 16**	**76 / 16**
Max. clamping range	mm²	**1.31...16**	**1.31...16**

Technical data

		WDU 10	WDU 10 IR
Rated data			
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Tightening torque (clamping screw for copper conductors)	-		
Stripping length / Blade size	mm/-		
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		

IEC	UL	CSA	EN 60079-7
1000	600	600	690
57	65	65	57
10	AWG 18...6	AWG 18...6	10 mm²
	8 kV / 3		
	B6 / V-0		
DEMKO14ATEX1338U			

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
/ (M 4)	
12 / 1.0 x 5.5 mm	
1.5...6 / 0.5...6	
0.5...6 / 0.5...6	

IEC	UL	CSA	EN 60079-7
1000	600	600	690
57	65	65	57
10	AWG 18...6	AWG 18...6	10 mm²
	8 kV / 3		
	B6 / V-0		
DEMKO14ATEX1338U			

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
/ (M 4)	
12 / TX 15	

Note	Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 10	50	**1020300000**
Blue	WDU 10 BL	50	**1020380000**
black (combi clip-on foot TS 32/25)			
Note	1000 VDC rated voltage tested. For alternative colours, see section on W-series accessories - specific functions.		

Type	Qty.	Order No.
WDU 10 IR	50	**1393380000**

Accessories

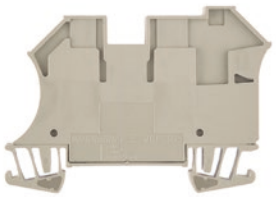
	Type		Qty.	Order No.
Screwable cross-connection				
2-pole	WQV 10/2	76 A	50	**1052560000**
10-pole	WQV 10/10	63 A	20	**1052460000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Testing / Checking				
Standard	WTA 3 WDU4	6 A	25	**1632350000**
Cover				
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**
Blank, white	WAD 8 MC NE WS		48	**1112940000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Hak. Cable lugs				

	Type		Qty.	Order No.
	WQV 10/2	76 A	50	**1052560000**
	WQV 10/10	63 A	20	**1052460000**
	WAP 2.5-10		50	**1050000000**
	WAP 2.5-10 BL		50	**1050080000**
	WAP 16+35 WTW 2.5-10		20	**1050100000**
	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
	WEW 35/2		50	**1061200000**
	WTA 5/1	6 A	25	**1051260000**
	WAD 8 MC NE GE		48	**1112950000**
	WAD 8 MC NE WS		48	**1112940000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**

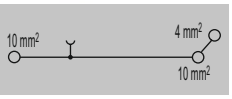
For detailed information on other accessories and application in the online catalogue	Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

WDU 10/ZR — 10 mm²

Additional connection on right 4 mm²



9.9 x 70 x 49
76 / 16
1.31...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	65	65	
10	AWG 16...6	AWG 16...6	
8 kV / 3			
B6, A4 / V-0			

Rated connection	Further connection
1.5...16 / 1.5...16	0.5...6 / 1.5...4
1.5...16 / 1.5...16	0.5...4 / 0.5...4
/ (M 4)	
12 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
1.5...6	
1...6 / 1...6	

Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm. Upper right ZR connection A 4.

Type	Qty.	Order No.
WDU 10/ZR	50	**1042400000**
WDU 10/ZR BL	50	**1042480000**

The measurement data relates to the 10 mm² connection.

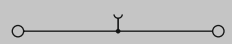
Type		Qty.	Order No.
WQV 10/2	76 A	50	**1052560000**
WQV 10/10	63 A	20	**1052460000**
WEW 35/2		50	**1061200000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Cross-connections, socket and test plug, see section "W series accessories".

WDU 10 SL — 10 mm²



9.9 x 60 x 46.25
76 / 10
1.31...10



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	352
57	50	65	55
10	AWG 16...8	AWG 16...6	10 mm²
6 kV / 2			
A5 / V-0			

DEMKO14ATEX1338U

Rated connection	Further connection
1.5...10 / 1.5...10	
1...6	
/ (M 4)	
17 / 1.0 x 5.5 mm	
1.5...4	
2.5...4 / 1...4	

ESI rated data: 500 V/36 A / 16 mm² stranded connection must be tightened with 2 Nm.

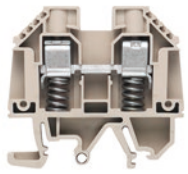
Type	Qty.	Order No.
WDU 10 SL	50	**9537480000**

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

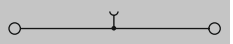
Type		Qty.	Order No.
WQV 10/2	76 A	50	**1052560000**
WQV 10/10	63 A	20	**1052460000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
WTA 5/1	6 A	25	**1051260000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

WDU 10 SL/EN — 10 mm²



9.9 x 56.6 x 51.1
76 / 16
1.31...16



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
630	600	300	550
57	50	65	55
10	AWG 16...8	AWG 16...6	10 mm²
6 kV / 2			
A6 / V-0			

DEMKO14ATEX1338U

Rated connection	Further connection
1.5...16 / 1.5...16	
1...6	
/ (M 4)	
17 / 1.0 x 5.5 mm	
1.5...4	
2.5...4 / 1...4	

ESI rated data: 500 V/36 A / 16 mm² stranded connection must be tightened with 2 Nm.

Type	Qty.	Order No.
WDU 10 SL/EN	50	**9537490000**

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

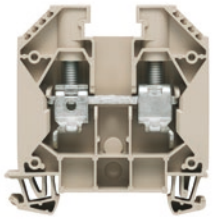
Type		Qty.	Order No.
WQV 10/2	76 A	50	**1052560000**
WQV 10/10	63 A	20	**1052460000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
WTA 5/1	6 A	25	**1051260000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

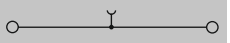
WDU 16 — 16 mm²

With peg for higher connection stability

Identically contoured design of 2.5 to 10 mm² with identical end plates and partitions. An unmatched combination of many advantages!
The compact terminals are impressive for their small size and rated cross-section capacity.



Width/Height/Depth	mm	11.9 x 60 x 62.5
max. current / max. cond. cross-section	A/mm²	**101 / 25**
Max. clamping range	mm²	**0.82...25**



Technical data

Rated data		
Rated voltage	V	1000 / 600 / 600 / 690
Rated current	A	76 / 85 / 85 / 76
for wire cross-section	mm²	16 / AWG 18...4 / AWG 18...6 / 16 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		B7 / V-0
Approvals		DEMKO14ATEX1338U

Clamped conductors (H05V/H07V)		Rated connection	Further connection
Solid / Stranded	mm²	1.5...16 / 1.5...25	
Flexible / Flexible with ferrule	mm²	1.5...25 / 1.5...16	
Tightening torque (clamping screw for copper conductors)	-	/ (M 5)	
Stripping length / Blade size	mm/-	16 / 1.0 x 5.5 mm	
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²	1.5...4 / 1.5...6	
Flexible / Flexible with ferrule	mm²	1.5...6 / 1.5...6	

Note	
	Conductor connection H07V-..16 and AWG 6 with tightening torque of 2.0-2.4 Nm.

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Ordering data

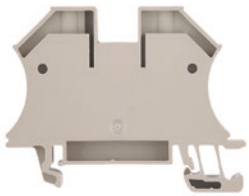
Version	Type	Qty.	Order No.
without peg / dark beige	WDU 16	50	**1020400000**
with peg / blue	WDU 16 BL	50	**1020480000**
with peg / dark beige	WDU 16/ZA	50	**1028900000**

Note	
	Order No. 1020400000 and 1020480000 (blue) versions without pegs (50 pcs.)

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 16/2	101 A	50	**1053260000**
10-pole	WQV 16/10	101 A	10	**1053360000**
End plate / Partition plate				
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 12 M.BL.		50	**1055960000**
Blank, white	WAD 12 NEUTRAL		50	**1056260000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue	
	Socket and test plug, see section "W-series accessories"

	WDU 16 IR	16 mm²	WDU 16N	16 mm²
			Suitable for power distribution Compact design	
				
Width/Height/Depth mm	11.9 x 60 x 62.5		12 x 60 x 46.5	
max. current / max. cond. cross-section A/mm²	**101 / 25**		**101 / 25**	
Max. clamping range mm²	**0.82...25**		**1.5...25**	

Technical data

	WDU 16 IR				WDU 16N			
Rated data								
Rated voltage V	IEC 60947-7-1				IEC 60947-7-1			
Rated current A	Ex eb II C Gb			II 2 G D				
for wire cross-section mm²	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated impulse withstand voltage / Pollution severity	1000	600	600	690	690	600	300	
Gauge to IEC 60947-1 / UL 94 flammability rating	76	85	85	76	76	70	70	
Approvals	16	AWG 18...4	AWG 18...6	16 mm²	16	AWG 14...6	AWG 14...6	
	8 kV / 3				8 kV / 3			
	B7 / V-0				B7 / V-0			
	DEMKO14ATEX1338U							
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Flexible / Flexible with ferrule mm²	1.5...16 / 1.5...25				1.5...16 / 1.5...25			
Tightening torque (clamping screw for copper conductors) -	1.5...25 / 1.5...16				1.5...16 / 1.5...16			
Stripping length / Blade size mm/-	/ (M 5)				/ (M 4)			
	16 / TX 15				12 / 1.0 x 5.5 mm			
2 conductors with same cross-section (H05V/H07V)								
Solid / Stranded -	/ 1.5...6				1.5...4			
Flexible / Flexible with ferrule mm²	1.5...6 / 1.5...6				1.5...4 / 1.5...4			
Note					AWG 6/7 and H07V-R25 tighten with a tightening torque of 1.5 Nm.			

Ordering data

	WDU 16 IR			WDU 16N		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	WDU 16 IR	50	**1393390000**	WDU 16N	50	**1036100000**
Blue				WDU 16N BL	50	**1036180000**
Note				1000 VDC rated voltage tested.		

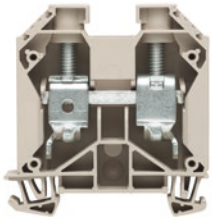
Accessories

	WDU 16 IR				WDU 16N			
Screwable cross-connection	**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
2-pole	WQV 16/2	101 A	50	**1053260000**	WQV 16N/2	76 A	50	**1636560000**
10-pole	WQV 16/10	101 A	10	**1053360000**				
4-pole					WQV 16N/4	76 A	50	**1636580000**
End plate / Partition plate								
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**	WTW EN		20	**1058800000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**				
End bracket								
dark beige	WEW 35/1		50	**1059000000**	WEW 35/2		50	**1061200000**
Cover								
Blank, white	WAD 12 NEUTRAL		50	**1056260000**	WAD 12N WS		50	**1073290000**
With lightning flash symbol	WAD 12 M.BL.		50	**1055960000**	WAD 12N GE BED		50	**1073200000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**				
					WS 10/12 MC NE WS		300	**1905970000**
Testing / Checking								
Standard					WTA 2 WDU2.5-10	6 A	25	**1632320000**
For detailed information on other accessories and application in the online catalogue					Cross-connections, socket and test plug, see section "W series accessories".			

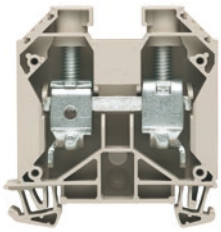
Identically contoured design of 2.5 to 10 mm² with identical end plates and partitions. An unmatched combination of many advantages!
The compact terminals are impressive for their small size and rated cross-section capacity.

WDU 35 — 35 mm²

Clamping screw / spigot for good connection stability



WDU 35 IR — 35 mm²



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

WDU 35	WDU 35 IR
16 x 60 x 62.5	16 x 60 x 62.5
150 / 50	**150 / 50**
2.5...50	**2.5...50**

Technical data

	WDU 35				WDU 35 IR			
Rated data								
Rated voltage	V	1000	1000	600	690	1000	1000		690
Rated current	A	125	150	150	115	125	150		115
for wire cross-section	mm²	35	AWG 12...0	AWG 12...NaN	35 mm²	35	AWG 12...0		35 mm²
Rated impulse withstand voltage / Pollution severity				8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				B8 / V-0				B8 / V-0	
Approvals					DEMKO14ATEX1338U				DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Solid / Stranded	mm²	2.5...16 / 2.5...50				2.5...16 / 2.5...50			
Flexible / Flexible with ferrule	mm²	2.5...35 / 2.5...35				2.5...35 / 2.5...35			
Tightening torque (clamping screw for copper conductors)	-	/ (M 6)				/ (M 6)			
Stripping length / Blade size	mm/-	18 / 6.5 x 1.2 mm				18 / TX 20			
2 conductors with same cross-section (H05V/H07V)									
Solid / Stranded	mm²	2.5...10 / 16...16							
Flexible / Flexible with ferrule	mm²	2.5...16 / 2.5...16							
Note									

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Ordering data

Version	WDU 35 Type	Qty.	Order No.	WDU 35 IR Type	Qty.	Order No.
without peg / dark beige	WDU 35	40	1020500000	WDU 35 IR	40	1393400000
with peg / blue	WDU 35 BL	40	1020580000			
with peg / dark beige	WDU 35/ZA	40	1028800000			
Note	Order No. 1020500000 and 1020580000 (blue) versions without pegs (40 pcs.).					

Accessories

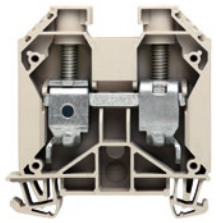
	WDU 35 Type		Qty.	Order No.	WDU 35 IR Type		Qty.	Order No.
Screwable cross-connection								
2-pole	WQV 35/2	138 A	50	1053060000	WQV 35/2	138 A	50	1053060000
10-pole	WQV 35/10	112 A	10	1053160000	WQV 35/10	112 A	10	1053160000
4-pole								
End plate / Partition plate								
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000	WAP 16+35 WTW 2.5-10		20	1050100000
Blue	WAP 16+35 WTW 2.5-10 BL		20	1050180000	WAP 16+35 WTW 2.5-10 BL		20	1050180000
End bracket								
dark beige	WEW 35/1		50	1059000000	WEW 35/1		50	1059000000
Cover								
With lightning flash symbol	WAD 12 M.BL.		50	1055960000	WAD 12 M.BL.		50	1055960000
Blank, white	WAD 12 NEUTRAL		50	1056260000	WAD 12 NEUTRAL		50	1056260000
Marking tags								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/6.5 MC NE WS		540	1609920000	WS 12/5 MC NE WS		720	1609860000

For detailed information on other accessories and application in the online catalogue

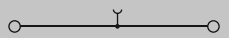
Cross-connections, socket and test plug, see section "W series accessories".

WDU 35 IK — 35 mm²

Hexagonal socket / spigot for good connection stability



16 x 60 x 62.5
150 / 50
2.5...50



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	150	150	115
35	AWG 12...NaN	AWG 12...NaN	35 mm²
	8 kV / 3		
	B8 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
/ (M 6)	
18 / S4 (DIN 6911)	
2.5...10 / 16...16	
2.5...16 / 2.5...16	

Type	Qty.	Order No.
WDU 35/IK	25	**1020600000**
WDU 35/IK BL	25	**1020680000**
WDU 35/IK/ZA	25	**1029000000**

Order No. 1020600000 and 1020680000 (blue) versions without pegs (25 pcs.).

Type		Qty.	Order No.
WQV 35/2	138 A	50	**1053060000**
WQV 35/10	112 A	10	**1053160000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/1		50	**1059000000**
WAD 12 M.BL.		50	**1055960000**
WAD 12 NEUTRAL		50	**1056260000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

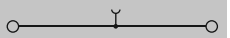
Cross-connections, socket and test plug, see section "W series accessories".

WDU 35N — 35 mm²

Suitable for power distribution
Compact design



16 x 66 x 50.5
150 / 50
2.5...50



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
500	1000	600	352
125	150	150	110
35	AWG 12...0	AWG 12...2	35 mm²
	6 kV / 3		
	B8 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
/ (M 6)	
18 / 6.5 x 1.2 mm	
2.5...6	
2.5...6 / 2.5...6	

1000 V DC rated voltage tested.

Type	Qty.	Order No.
WDU 35N	20	**1040400000**
WDU 35N BL	20	**1040480000**

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type		Qty.	Order No.
WQV 35N/2	125 A	20	**1079200000**
WQV 35N/4	125 A	20	**1079400000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
WAD 16N GE BED		50	**1083600000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Cross-connections, see section "W series accessories".

WDU 50N — 50 mm²

Compact design



Width/Height/Depth	18.5 x 70 x 69.6 mm
max. current / max. cond. cross-section	**192 / 70** A/mm²
Max. clamping range	**10...70** mm²

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	1000	600	600	690
Rated current	150	150	150	126
for wire cross-section	50	AWG 10...0	AWG 8...0	50 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B10 / V-0	
Approvals				DEMKO14ATEX1338U

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	10...16 / 10...70	
Flexible / Flexible with ferrule	10...50	
Tightening torque (clamping screw for copper conductors)	/ (M 6)	
Stripping length / Blade size	24 / S4 (DIN 6911)	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	...16 / 6...16	
Flexible / Flexible with ferrule	6...16 / 6...16	

Note

1000 V DC rated voltage tested.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 50N	10	**1820840000**
Blue	WDU 50N BL	10	**1820850000**

Note

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 50N/2	150 A	5	**1834060000**
3-pole	WQV 50N/3	150 A	5	**1834070000**
4-pole	WQV 50N/4	150 A	5	**1834080000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**
Additional connection				
10 mm²	WZAD 50N	41 A	5	**1872720000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	**9008870000**

For detailed information on other accessories and application in the online catalogue

Auxiliary connection for additional conductor "WZAD 50N" 1872720000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

WDU 50N IR — 50 mm²

Six-lobe socket



Width/Height/Depth	18.5 x 70 x 69.6 mm
max. current / max. cond. cross-section	**192 / 70** A/mm²
Max. clamping range	**10...70** mm²

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	1000			690
Rated current	150			126
for wire cross-section	50			50 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B10 / V-0	
Approvals				DEMKO14ATEX1338U

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	10...16 / 10...70	
Flexible / Flexible with ferrule	10...50	
Tightening torque (clamping screw for copper conductors)	/ (M 6)	
Stripping length / Blade size	24 / TX 20	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	...16 / 6...16	
Flexible / Flexible with ferrule	6...16 / 6...16	

Note

1000 V DC rated voltage tested.

Version	Type	Qty.	Order No.
dark beige	WDU 50N IR	10	**1186630000**

Note

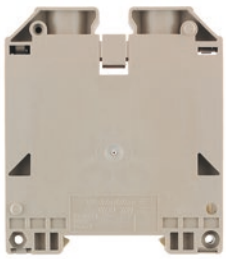
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 50N/2	150 A	5	**1834060000**
3-pole	WQV 50N/3	150 A	5	**1834070000**
4-pole	WQV 50N/4	150 A	5	**1834080000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**
Additional connection				
10 mm²	WZAD 50N	41 A	5	**1872720000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Screwdriver				
Standard	TH-S 9-40		1	**9008880000**

Cross-connections, see section "W series accessories".

WDU 70N — 70 mm²

Compact design



20.5 x 75 x 85
232 / 95
16...95

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	184
70	AWG 6...0	AWG 6...0	70 mm²
8 kV / 3			
B11 / V-0			

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...50	
/ (M 8)	
22 / S6 (DIN 6911)	
10...16 / 10...25	
10...25 / 6...25	

1000 V DC rated voltage tested.

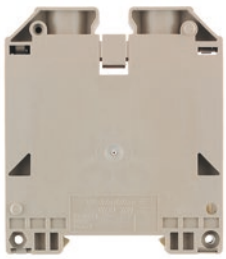
Type	Qty.	Order No.
WDU 70N/35	10	9512190000
WDU 70N/35 BL	10	9512420000

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type		Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 70N	41 A	5	1964830000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

WDU 70N/35 IR — 70 mm²



20.5 x 75 x 85
232 / 95
16...95

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	600		
192	150		
70	AWG 6...0		
8 kV / 3			
B11 / V-0			

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...50	
/ (M 8)	
22 / TX 40	

Type	Qty.	Order No.
WDU 70N/35 IR	10	1393420000

Type		Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 70N	41 A	5	1964830000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
TH-S 9-40		1	9008880000

WDU 95N/120N — 120 mm²

Compact design



27 x 91 x 90
290 / 150
16...150

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
269	228	220	221
120	AWG 4...250	AWG 4...0	120 mm²
8 kV / 3			
B13 / V-0			

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...150	
16...120	
/ (M 10)	
27 / S6 (DIN 6911)	
16...16 / 10...35	
16...35 / 10...35	

1000 V DC rated voltage tested.

Type	Qty.	Order No.
WDU 95N/120N	5	1820550000
WDU 95N/120N BL	5	1820560000

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type		Qty.	Order No.
WQV 95N/120N/2	269 A	5	1826890000
WQV 95N/120N/3	269 A	5	1826900000
WQV 95N/120N/4	269 A	5	1826910000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 95N/120N	41 A	5	1859580000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

WDU 240 — 240 mm²



Width/Height/Depth	36 x 100 x 123.7 mm
max. current / max. cond. cross-section	**415 / 240** A/mm²
Max. clamping range	**70...240** mm²

Technical data

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage	1000	600	600	1100 V
Rated current	415	380	400	350 A
for wire cross-section	240		AWG 0...500	240 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B15 / V-0	
Approvals				KEMA01ATEX2186U

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	/ 70...240	
Flexible / Flexible with ferrule	70...240 / 70...185	
Tightening torque (clamping screw for copper conductors)	/ (M 10)	
Stripping length / Blade size	40 / S8 (DIN 6911)	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	/ 35...95	
Flexible / Flexible with ferrule	50...95 / 35...50	

Note

Copper straps can be used; see online catalogue for possible connections.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 240	2	**1802780000**
Blue	WDU 240 BL	2	**1822210000**

Note

1000 VDC rated voltage tested.

Accessories

Screwable cross-connection	Type	Qty.	Order No.
2-pole	WQB 240/2	5	**1802790000**
3-pole	WQB 240/3	5	**1802800000**
4-pole			
End bracket			
dark beige	WEW 35/1	50	**1059000000**
Cover			
With lightning flash symbol			
Blank, white			
Additional connection			
10 mm²	WZAD 240	57 A 5	**1802810000**
Marking tags			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 12/6.5 MC NE WS	540	**1609920000**
Screwdriver			
Standard	SKS 2,0-8,0 MR	1	**9008870000**

For detailed information on other accessories and application in the online catalogue



Leaf clamp

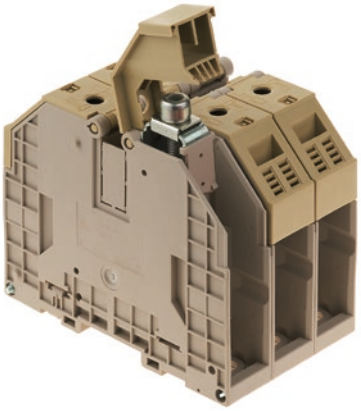
Leaf clamp conductor connection for large cross-sections

It is no longer the case that conductors with large cross-sections have to be forced into the clamping point. Instead, they can now be easily laid in the modular terminal.

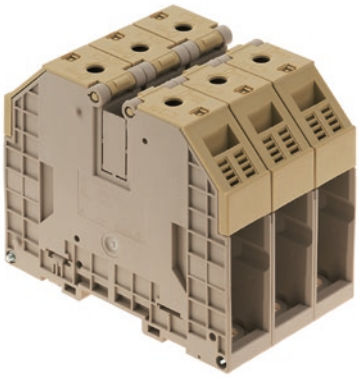
In addition to the individual form, every type of terminal can also be supplied in the form of 3-, 4- and 5-pole blocks. All the blocks are permanently screwed together and therefore guarantee additional rigidity. Direct mounting is possible thanks to the elongated holes on the underside of the terminals. Terminal blocks can be screwed directly to mounting plates with a 25 mm pitch.

The other advantages are:

- Constant force transfer through selfadjusting connection system
- Mounting in any direction
- Electric shock protection (finger-proof) to German standard VBG 4, also with cross-connections
- Extremely resistant to distortion



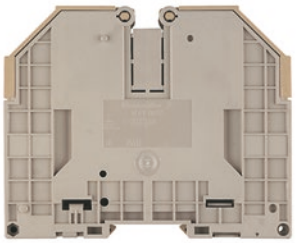
Open cover and remove screw assembly



Close cover and tighten screw with Allen key

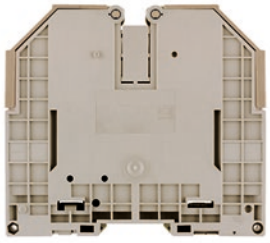
WDU 70/95 — 95 mm²

Conductor can be inserted from above / leaf spring



WDU 120/150 — 120 mm²

Conductor can be inserted from above / leaf spring



Width/Height/Depth	mm	27 x 132 x 107	32 x 132 x 117
max. current / max. cond. cross-section	A/mm²	**232 / 120**	**309 / 150**
Max. clamping range	mm²	**13.3...120**	**33.63...150**

Technical data

		WDU 70/95	WDU 120/150
Rated data			
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	Ex eb II C Gb, II 2 G D	Ex eb II C Gb, II 2 G D
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity		IEC: 1000 / 232 / 95	IEC: 1000 / 269 / 120
Gauge to IEC 60947-1 / UL 94 flammability rating		UL: 1000 / 175 / AWG 6...0	UL: 1000 / 225 / AWG 2...250
Approvals		CSA: 600 / 205 / AWG 6...0	CSA: 600 / 285 / AWG 2...250
		EN 60079-7: 1100 / 218 / 95 mm²	EN 60079-7: 1100 / 265 / 150 mm²
		8 kV / 3	8 kV / 3
		B12 / V-0	B13 / V-0
		DEMKO14ATEX1338U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	16...16 / 16...120	/ 35...150
Flexible / Flexible with ferrule	mm²	16...95 / 16...50	35...150 / 35...50
Tightening torque (clamping screw for copper conductors)	-	/ (M 8)	/ (M 10)
Stripping length / Blade size	mm/-	30 / S6 (DIN 6911)	35 / S6 (DIN 6911)
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²	16...16 / 16...35	...16 / 35...70
Flexible / Flexible with ferrule	mm²	16...35 / 16...35	35...70 / 35...70
Note			

Rated connection	Further connection	Rated connection	Further connection
16...16 / 16...120		/ 35...150	
16...95 / 16...50		35...150 / 35...50	
/ (M 8)		/ (M 10)	
30 / S6 (DIN 6911)		35 / S6 (DIN 6911)	

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	WDU 70/95	10	**1024600000**	WDU 120/150	10	**1024500000**
	Blue	WDU 70/95 BL	10	**1024680000**	WDU 120/150 BL	10	**1024580000**
Note		For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.			For direct mounting see section W-Series, Accessories.		

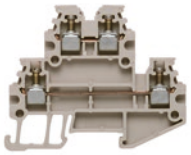
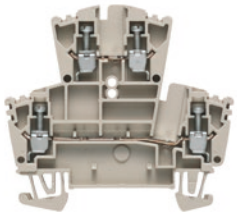
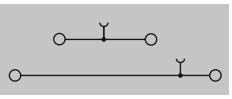
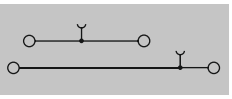
Accessories

		Type		Qty.	Order No.	Type		Qty.	Order No.
Screwable cross-connection									
	2-pole	WQV 70/95/2	232 A	5	**1063500000**	WQV 120/2	269 A	5	**1063300000**
	3-pole	WQV 70/95/3	232 A	5	**1063600000**	WQV 120/3	292 A	5	**1063400000**
End bracket									
	dark beige	WEW 35/1		50	**1059000000**	WEW 35/1		50	**1059000000**
Cover									
	With lightning flash symbol	WAD 27 M. BL.		10	**1062860000**	WAD 27 M. BL.		10	**1062860000**
	Blank, white	WAD 27 NEUTRAL		10	**1062960000**	WAD 27 NEUTRAL		10	**1062960000**
Additional connection									
	4mm²	WZAD 70/95	32 A	10	**1066000000**	WZAD120		10	**1066100000**
Ribbon cable clamp									
						WFL 120/150		5	**1616340000**
Marking tags									
		DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/6.5 MC NE WS		540	**1609920000**	WS 12/6.5 MC NE WS		540	**1609920000**
Screwdriver									
	Standard	SKS 2,0-8,0 MR		1	**9008870000**	SKS 2,0-8,0 MR		1	**9008870000**

For detailed information on other accessories and application in the online catalogue

Auxiliary connection for the additional conductor "WZAD 70", order No. 1066000000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

	WDK 1.5/R3.5	WDK 2.5
	1.5 mm²	2.5 mm²
	Double feed-through terminal	Screwable cross-connection
		
Width/Height/Depth mm	3.5 x 46.5 x 37.5	5.1 x 69.5 x
max. current / max. cond. cross-section A/mm²	**16 / 1.5**	**32 / 4**
Max. clamping range mm²	**0.13...1.5**	**0.05...4**
		
	IEC 60947-7-1 Ex eb II C Gb II 2 G D	IEC 60947-7-1 Ex eb II C Gb II 2 G D

Technical data

	IEC	UL	CSA	EN 60079-7
Rated data				
Rated voltage V	400	300	300	275
Rated current A	16	15	10	15
for wire cross-section mm²	1.5	AWG 26...14	AWG 26...14	1.5 mm²
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A1 / V-0		
Approvals				KEMA99ATEX6545U
Clamped conductors (H05V/H07V)	**Rated connection**		**Further connection**	
Solid / Stranded mm²	0.5...1.5 / 1.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...0.5			
Tightening torque (clamping screw for copper conductors) -	/ (M 2)			
Stripping length / Blade size mm/-	7 / 0.4 x 2.5 mm			
2 conductors with same cross-section (H05V/H07V)				
Solid / Stranded mm²	0.5...0.75			
Flexible / Flexible with ferrule mm²	0.5...0.75 / 0.5...0.5			
Note	PZ 6/5 recommended as crimping tool for 1.5 mm² with wire-end ferrule			

	IEC	UL	CSA	EN 60079-7
Rated data				
Rated voltage V	400	300	300	275
Rated current A	24	20	10	21
for wire cross-section mm²	2.5	AWG 22...12	AWG 26...12	4 mm²
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				DEMKO15ATEX1346U
Clamped conductors (H05V/H07V)	**Rated connection**		**Further connection**	
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors) -	/ (M 2.5)			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
2 conductors with same cross-section (H05V/H07V)				
Solid / Stranded mm²	0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5			
Note	2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).			

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 1.5/R3.5	100	**1753290000**
Blue			
Orange			
Note			

Type	Qty.	Order No.
WDK 2.5	100	**1021500000**
WDK 2.5 BL	100	**1021580000**
For colour versions, see section on W-series Accessories - specific functions.		

Accessories

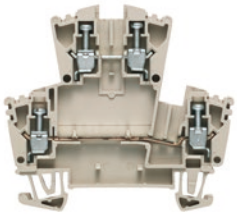
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**
10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**
2-pole				
10-pole				
Screwable cross-connection				
2-pole				
10-pole				
End plate / Partition plate				
dark beige	WAP WDK1.5/R3.5		20	**1754200000**
Blue				
dark beige				
End bracket				
dark beige	EW 15		50	**0382860000**
Cover				
With lightning flash symbol				
Blank, white				
Marking tags				
	DEK 5/3.5 MC NE WS		500	**1755270000**
	WS 8/3.5 MM WS		1000	**2007140000**
	DEK 5/3.5 MM WS		1000	**2007100000**

Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

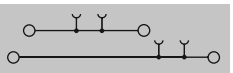
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, socket and test plug, see section "W series accessories". Ensure 2.5 mm² max. when using the WQB.

WDK 2.5 ZQV — 2.5 mm²

Plug-in cross-connection



5.1 x 69 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	25	21
2.5	AWG 22...12	AWG 26...12	4 mm²
	6 kV / 3		
	A3 / V-0		
			DEMKO15ATEX1346U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Type	Qty.	Order No.
WDK 2.5 ZQV	100	**1041100000**
WDK 2.5 ZQV BL	100	**1041180000**

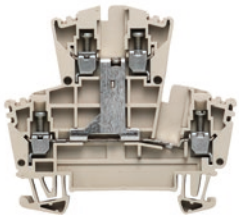
Rated voltage is 400 V when using the ZQV cross-connector.
For colour versions, see section on W-series Accessories

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

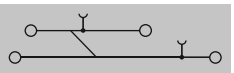
Cross-connections, socket and test plug, see section "W series accessories".
Ensure 2.5 mm² max. when using the WQB.

WDK 2.5 V — 2.5 mm²

Both levels at one potential



5.1 x 69.5 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
400	600	300	275
24	20	10	24
2.5	AWG 30...12	AWG 26...12	4 mm²
	6 kV / 3		
	A3 / V-0		
			DEMKO15ATEX1346U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Type	Qty.	Order No.
WDK 2.5V	50	**1022300000**
WDK 2.5V BL	50	**1022380000**

For colour versions, see section on W-series Accessories - specific functions.

Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

Cross-connections, socket and test plug, see section "W series accessories".
Ensure 2.5 mm² max. when using the WQB.

WDK 2.5 V ZQV — 2.5 mm²



5.1 x 69.5 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
400	600	600	275
24	20	25	21
2.5	AWG 30...12	AWG 30...12	4 mm²
	/ 3		
	A3 / V-0		
			DEMKO15ATEX1346U

Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	

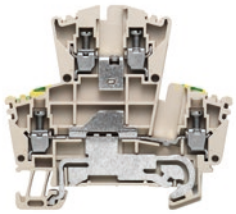
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Type	Qty.	Order No.
WDK 2.5V ZQV	50	**2739600000**
WDK 2.5V ZQV BL	50	**2739610000**
WDK 2.5V ZQV OR	50	**2732600000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

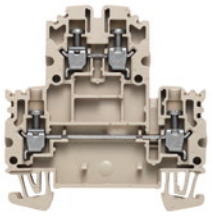
WDK 2.5 DU-PE — 2.5 mm²

Lower level earthed on terminal rail

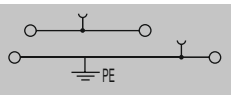
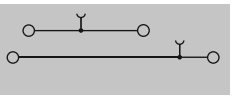


WDK 2.5N — 2.5 mm²

Plug-in cross-connection
Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

WDK 2.5 DU-PE	WDK 2.5N
5.1 x 69.5 x 62.5	5.1 x 61 x 62
32 / 4	**28 / 4**
0.05...4	**0.05...4**
	

Technical data

	WDK 2.5 DU-PE	WDK 2.5N
Rated data		
Rated voltage	V	400	800
Rated current	A	24	24
for wire cross-section	mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity		6 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0	A3 / V-0
Approvals		DEMKO15ATEX1346U	DEMKO15ATEX1346U
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 2.5...2.5
Tightening torque (clamping screw for copper conductors)	-	/ (M 2.5)	/ (M 2.5)
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	8 / 0.6 x 3.5 mm
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5

WDK 2.5 DU-PE	WDK 2.5N
IEC 60947-7-1 (-7-2)	IEC 60947-7-1
Ex eb II C Gb	Ex eb II C Gb
II 2 G D	II 2 G D

IEC	UL	CSA	EN 60079-7
WDK 2.5 DU-PE	400	300	300	275
	24	20	20	23
	2.5	AWG 22...12	AWG 22...12	4 mm²
WDK 2.5N	800		300	550
	24		20	21
	2.5		AWG 26...12	4 mm²

Rated connection	Further connection
WDK 2.5 DU-PE	0.5...4 / 1.5...4	
	0.5...4 / 0.5...2.5	
	/ (M 2.5)	
	10 / 0.6 x 3.5 mm	
	0.5...1.5	
	0.5...1.5 / 0.5...1.5	
WDK 2.5N	0.5...4 / 1.5...4	
	0.5...4 / 2.5...2.5	
	/ (M 2.5)	
	8 / 0.6 x 3.5 mm	
	0.5...1.5	
	0.5...1.5 / 0.5...1.5	

Note

WDK 2.5 DU-PE: 2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

WDK 2.5N: Rated voltage is reduced to 400 V when using the ZQV 2.5N cross-connector.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 2.5DU-PE	50	**1036400000**
Blue			
Note			

Type	Qty.	Order No.
WDK 2.5N	50	**1041600000**
WDK 2.5N BL	50	**1041680000**

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate				
dark beige	WAP WDK2.5		20	**1059100000**
Blue	WAP WDK2.5 BL		20	**1059180000**
dark beige	WTW EN		20	**1058800000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Cover				
With lightning flash symbol	WAD 4 GE BED		50	**1072000000**
Blank, white	WAD 4 WS		50	**1072100000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 8/5 MC NE WS		720	**1640740000**
	DEK 5/5 MM WS		800	**2007110000**
Plug-in cross-connection				
2-pole				
10-pole				

Type		Qty.	Order No.
WAP WDK2.5/4 N		20	**1084000000**
WAP WDK2.5/4 N BL		20	**1084080000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**

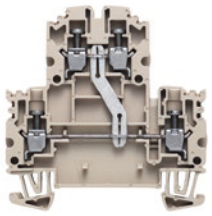
For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section "W series accessories". Ensure 2.5 mm² max. when using the WQB.

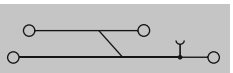
Cross-connections, see section "W series accessories".

WDK 2.5N V — 2.5 mm²

Both levels at one potential
Compact design



5.1 x 61 x 62
28 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800		300	550
24		20	24
2.5		AWG 26...12	4 mm²
	8 kV / 3		
	A3 / V-0		
			DEMKO15ATEX1346U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is reduced to 400 V when using the ZQV cross-connector.

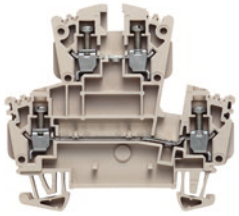
Type	Qty.	Order No.
WDK 2.5N V	50	**1041610000**

Type		Qty.	Order No.
WAP WDK2.5/4 N		20	**1084000000**
WAP WDK2.5/4 N BL		20	**1084080000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**

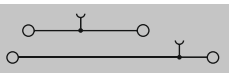
Cross-connections, see section "W series accessories".

WDK 2.5 / 800 V — 2.5 mm²

Rated voltage 800 V



6.1 x 69 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800			550
24			22
2.5		AWG 26...12	4 mm²
	8 kV / 3		
	A3 / V-0		
			DEMKO15ATEX1346U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

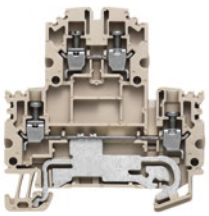
Type	Qty.	Order No.
WDK 2.5/EX	100	**1029100000**

Type		Qty.	Order No.
Q 2 AKZ4SS	32 A	50	**0369000000**
Q 10 AKZ4SS	32 A	20	**0369300000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

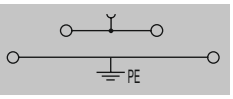
Cross-connections, test and socket plug, see section "W series accessories". Ensure 2.5 mm² max. when using the WQB.

WDK 2.5N DU-PE — 2.5 mm²

Lower level earthed on terminal rail
Compact design



5.1 x 61 x 62
28 / 4
0.05...4



IEC 60947-7-1 (-7-2) — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800		300	550
24		20	24
2.5		AWG 26...12	4 mm²
	8 kV / 3		
	A3 / V-0		
			DEMKO15ATEX1346U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is reduced to 400 V when using the ZQV cross-connector. 2 conductors via the PE connection are not permissible!

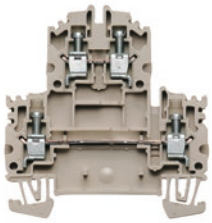
Type	Qty.	Order No.
WDK 2.5N DU-PE	50	**1041650000**

Type		Qty.	Order No.
WAP WDK2.5/4 N		20	**1084000000**
WAP WDK2.5/4 N BL		20	**1084080000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**

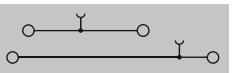
Cross-connections, see section "W series accessories".

WDK 4N — 4 mm²

Solid/stranded
Flexible / flexible with wire-end ferrule



Width/Height/Depth	6.1 x 60 x 63.25 mm
max. current / max. cond. cross-section	**35 / 6** A/mm²
Max. clamping range	**0.13...6** mm²



IEC 60947-7-1

Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	30
4	AWG 26...10	AWG 26...10	6 mm²
	8 kV / 3		
	A4 / V-0		
			DEMKO15ATEX1346U

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
/ (M 3)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Note

Rated voltage: 400 V when using ZQV cross-connection
2 wire H07V-U1.5, tighten with 0.6 Nm.

Ordering data

Version

Type	Qty.	Order No.
WDK 4N	50	**1041900000**
WDK 4N BL	50	**1041980000**

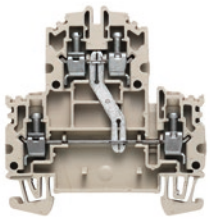
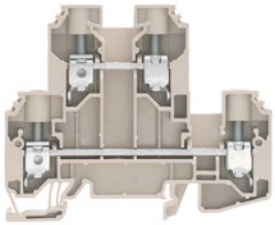
Note

Accessories

Type		Qty.	Order No.
Plug-in cross-connection			
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
End plate / Partition plate			
WAP WDK2.5/4 N		20	**1084000000**
WAP WDK2.5/4 N BL		20	**1084080000**
WTW EN		20	**1058800000**
End bracket			
WEW 35/2		50	**1061200000**
Marking tags			
DEK 5/6 MC NE WS		1000	**1609820000**
WS 8/6 PLUS MC NE WS		600	**1951880000**
DEK 5/6 MM WS		600	**2007120000**

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

	WDK 4N V	WDK 10
	4 mm²	10 mm²
	Both levels at one potential Compact design	
		
Width/Height/Depth mm	6.1 x 60.7 x 63.25	9.9 x 85 x 69
max. current / max. cond. cross-section A/mm²	35 / 6	70 / 16
Max. clamping range mm²	0.13...6	1.5...16

Technical data

	WDK 4N V	WDK 10
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex eb II C Gb, II 2 G D	
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	30
4	AWG 26...10	AWG 26...10	6 mm²
8 kV / 3			
A4 / V-0			
DEMKO15ATEX1346U			

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded mm²	0.5...6 / 1.5...6	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	
Tightening torque (clamping screw for copper conductors) -	/ (M 3)	
Stripping length / Blade size mm/-	8 / 0.6 x 3.5 mm	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded mm²	0.5...1.5	
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded mm²	1.5...16 / 1.5...16	
Flexible / Flexible with ferrule mm²	1.5...16 / 1.5...16	
Tightening torque (clamping screw for copper conductors) -	/ (M 4)	
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		

Note	
	Rated voltage: 400 V when using ZQV cross-connection 2 wire H07V-U1.5, tighten with 0.6 Nm.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 4N V	50	1041910000
Blue			
dark beige / blue			

Note	

Version	Type	Qty.	Order No.
dark beige	WDK 10	50	1186740000
Blue	WDK 10 BL	50	1186750000
dark beige / blue			

Note	

Accessories

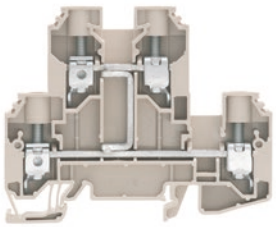
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	1527930000
10-pole	ZQV 4N/10	32 A	20	1528090000
End plate / Partition plate				
dark beige	WAP WDK2.5/4 N		20	1084000000
Blue	WAP WDK2.5/4 N BL		20	1084080000
dark beige	WTW EN		20	1058800000
End bracket				
dark beige	WEW 35/2		50	1061200000
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 8/6 PLUS MC NE WS		600	1951880000
	DEK 5/5 MM WS		800	2007110000
Screwable cross-connection				
2-pole				
10-pole				
Cover				
Blank, white				
Blank, yellow				
Screwdriver				
Standard				

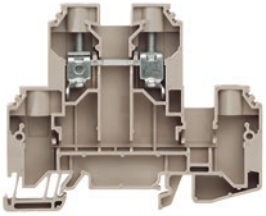
Plug-in cross-connection	Type		Qty.	Order No.
End plate / Partition plate				
	WAP WDK10		20	1186720000
	WAP WDK10 BL		20	1186730000
End bracket				
	WEW 35/2		50	1061200000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
Screwable cross-connection				
	WQV 10/2	76 A	50	1052560000
	WQV 10/10	63 A	20	1052460000
Cover				
	WAD 8 MC NE WS		48	1112940000
	WAD 8 MC NE GE		48	1112950000
Screwdriver				
	SDS 1.0X5.5X150		1	2749380000

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

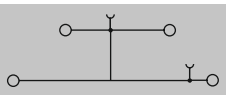
Screw connection with clamping yoke technology (W-Series)
Feed-through terminal blocks

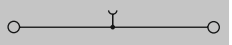
	WDK 10 V	10 mm²	WDK 10 L	10 mm²





Width/Height/Depth	9.9 x 85 x 69	9.9 x 85 x 69
max. current / max. cond. cross-section	**73 / 16**	**70 / 16**
Max. clamping range	**1.5...16**	**1.5...16**





Technical data

Rated data		IEC 60947-7-1				IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600		800		1000	
Rated current	A	57	49	49		57		70	
for wire cross-section	mm²	10	AWG 18...6	AWG 18...6		10	AWG 18...6	AWG 18...6	
Rated impulse withstand voltage / Pollution severity				8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				B6 / V-0				B6 / V-0	
Approvals		CE CSA EAC UL				CSA EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Solid / Stranded	mm²	1.5...16 / 1.5...16				1.5...16 / 1.5...16			
Flexible / Flexible with ferrule	mm²	1.5...16 / 1.5...16				1.5...16 / 1.5...16			
Tightening torque (clamping screw for copper conductors)	-	/ (M 4)				/ (M 4)			
Stripping length / Blade size	mm/-	12 / 1.0 x 5.5 mm				12 / 1.0 x 5.5 mm			
2 conductors with same cross-section (H05V/H07V)									
Solid / Stranded	-								
Flexible / Flexible with ferrule	-								
Note									

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WDK 10 V	50	**1186770000**	WDK 10 L	50	**1415510000**
Blue	WDK 10 V BL	50	**1186780000**			
dark beige / blue						
Note						

Accessories

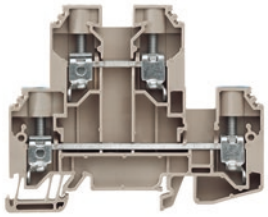
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole								
10-pole								
End plate / Partition plate								
dark beige	WAP WDK10		20	**1186720000**	WAP WDK10		20	**1186720000**
Blue	WAP WDK10 BL		20	**1186730000**	WAP WDK10 BL		20	**1186730000**
dark beige								
End bracket								
dark beige	WEW 35/2		50	**1061200000**	WEW 35/2		50	**1061200000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
Screwable cross-connection								
2-pole	WQV 10/2	76 A	50	**1052560000**	WQV 10/2	76 A	50	**1052560000**
10-pole	WQV 10/10	63 A	20	**1052460000**	WQV 10/10	63 A	20	**1052460000**
Cover								
Blank, white	WAD 8 MC NE WS		48	**1112940000**	WAD 8 MC NE WS		48	**1112940000**
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**	WAD 8 MC NE GE		48	**1112950000**
Screwdriver								
Standard	SDS 1.0X5.5X150		1	**2749380000**	SDS 1.0X5.5X150		1	**2749380000**

For detailed information on other accessories and application in the online catalogue

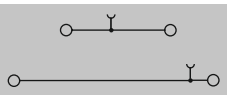
Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

WDK 10 DU-N — 10 mm²



9.9 x 85 x 69
70 / 16
1.5...16



IEC 60947-7-1

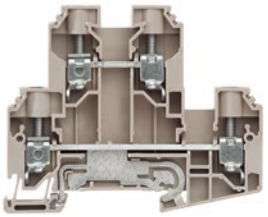
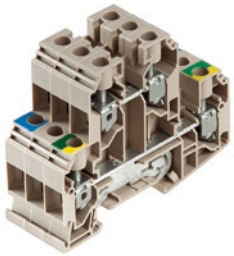
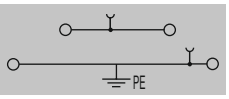
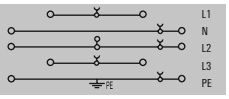
IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
/ (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 DU-N	50	**1415520000**

Type		Qty.	Order No.
WAP WDK10		20	**1186720000**
WAP WDK10 BL		20	**1186730000**
WEW 35/2		50	**1061200000**
DEK 5/5 MC NE WS		1000	**1609801044**
WQV 10/2	76 A	50	**1052560000**
WQV 10/10	63 A	20	**1052460000**
WAD 8 MC NE WS		48	**1112940000**
WAD 8 MC NE GE		48	**1112950000**
SDS 1.0X5.5X150		1	**2749380000**

Cross-connections, see section "W series accessories".

	WDK 10 DU-PE	10 mm²	WDK 10 SET BCD	10 mm²
				
Width/Height/Depth mm	9.9 x 85 x 69		29.7 x 85 x 69	
max. current / max. cond. cross-section A/mm²	**70 / 16**		**70 / 16**	
Max. clamping range mm²	**1.5...16**		**1.5...16**	

Technical data

Rated data						
Rated voltage	V	IEC 60947-7-1 (-7-2)				
Rated current	A	IEC	UL	CSA	EN 60079-7	
for wire cross-section	mm²	800	600	600		
Rated impulse withstand voltage / Pollution severity		57	40	40		
Gauge to IEC 60947-1 / UL 94 flammability rating		10	AWG 18...6	AWG 18...6		
Approvals			8 kV / 3			
Clamped conductors (H05V/H07V)			B6 / V-0			
Solid / Stranded	mm²					
Flexible / Flexible with ferrule	mm²	Rated connection		Further connection		
Tightening torque (clamping screw for copper conductors)	-	1.5...16 / 1.5...16				
Stripping length / Blade size	mm/-	1.5...16 / 1.5...16				
2 conductors with same cross-section (H05V/H07V)		/ (M 4)				
Solid / Stranded	-	12 / 1.0 x 5.5 mm				
Flexible / Flexible with ferrule	-					
Note						

Rated data						
Rated voltage	V	IEC 60947-7-1 (-7-2)				
Rated current	A	IEC	UL	CSA	EN 60079-7	
for wire cross-section	mm²	800	600	600		
Rated impulse withstand voltage / Pollution severity		57	64	64		
Gauge to IEC 60947-1 / UL 94 flammability rating		10	AWG 18...6	AWG 18...6		
Approvals			8 kV / 3			
Clamped conductors (H05V/H07V)			B6 / V-0			
Solid / Stranded	mm²					
Flexible / Flexible with ferrule	mm²	Rated connection		Further connection		
Tightening torque (clamping screw for copper conductors)	-	1.5...16 / 1.5...16				
Stripping length / Blade size	mm/-	1.5...16 / 1.5...16				
2 conductors with same cross-section (H05V/H07V)		/ (M 4)				
Solid / Stranded	-	12 / 1.0 x 5.5 mm				
Flexible / Flexible with ferrule	-					
Note						

Ordering data

Version	Type	Qty.	Order No.
dark beige			
with PE foot			
dark beige / green / yellow	WDK 10 DU-PE	50	**1415480000**
Note			

Type	Qty.	Order No.
WDK 10 SET BCD	1	**1415540000**

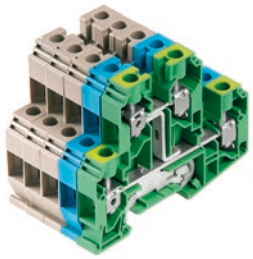
Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 10/2	76 A	50	**1052560000**
10-pole	WQV 10/10	63 A	20	**1052460000**
End plate / Partition plate				
dark beige	WAP WDK10		20	**1186720000**
Blue	WAP WDK10 BL		20	**1186730000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Cover				
Blank, white	WAD 8 MC NE WS		48	**1112940000**
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
Cross-connector				
black				
blue				
red				

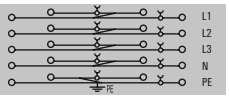
Type		Qty.	Order No.
WQV 10/2	76 A	50	**1052560000**
WQV 10/10	63 A	20	**1052460000**
WAP WDK10		20	**1186720000**
WAP WDK10 BL		20	**1186730000**
WEW 35/2		50	**1061200000**
SDS 1.0X5.5X150		1	**2749380000**
WAD 8 MC NE WS		48	**1112940000**
WAD 8 MC NE GE		48	**1112950000**
DEK 5/5 MC NE WS		1000	**1609801044**

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WDK 10 SET LS — 10 mm²



49.5 x 85 x 69
70 / 16
1.5...16



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

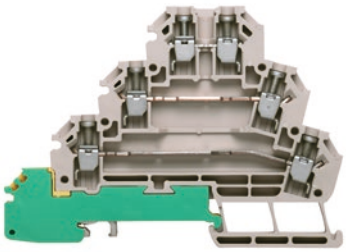
Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
/ (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 SET LS	1	**1415530000**

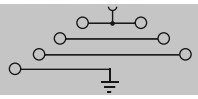
Type		Qty.	Order No.
WQV 10/2	76 A	50	**1052560000**
WQV 10/10	63 A	20	**1052460000**
WAP WDK10		20	**1186720000**
WAP WDK10 BL		20	**1186730000**
WEW 35/2		50	**1061200000**
SDS 1.0X5.5X150		1	**2749380000**
WAD 8 MC NE WS		48	**1112940000**
WAD 8 MC NE GE		48	**1112950000**
DEK 5/5 MC NE WS		1000	**1609801044**

Cross-connections, see section "W series accessories".

MAK 2.5 — 2.5 mm²



6.2 x 88 x 63
31 / 4
0.13...4



IEC 60947-7-1 (-7-2)

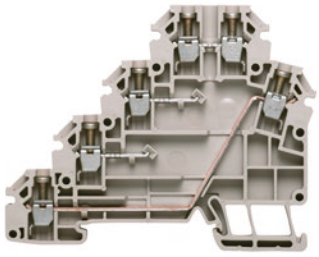
IEC	UL	CSA	EN 60079-7
500	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1 / 0.5...1	
0.5...1 / 0.5...0.75	

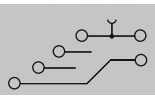
Type	Qty.	Order No.
MAK 2.5 DB	50	**7917030000**

Type	Qty.	Order No.
AP MAK2.5 DB	20	**7917000000**
WEW 35/1	50	**1059000000**
SDIS 0.6X3.5X100	1	**2749810000**
DEK 5/5 MC NE WS	1000	**1609801044**
VQB 1.5/50 SW	5	**1635120000**
VQB 1.5/50 BL	5	**1633280000**
VQB 1.5/50 RT	5	**1633290000**

VLI 1.5 — 1.5 mm²



6.15 x 79.5 x 63
24 / 4
0.13...4



IEC 60947-7-1

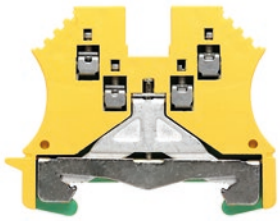
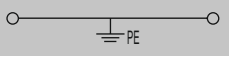
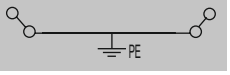
IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...12		
	4 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...2.5	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
8 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
VLI 1.5 DB	50	**1784120000**
VLI 1.5/PE DB	50	**1784130000**

Type	Qty.	Order No.
AP VLI1.5 DB	20	**1784150000**
WEW 35/1	50	**1059000000**
SDIS 0.6X3.5X100	1	**2749810000**
DEK 5/5 MC NE WS	1000	**1609801044**
VQB 1.5/50 SW	5	**1635120000**
VQB 1.5/50 BL	5	**1633280000**
VQB 1.5/50 RT	5	**1633290000**

Screw connection with clamping yoke technology (W-Series)
PE terminal blocks

	WPE 1.5/R3.5	WPE 1.5/ZZ
	1.5 mm²	1.5 mm²
	Protective earth terminal for TS 15	Twin connection
		
Width/Height/Depth mm	3.5 x 24.5 x 24	5.1 x 60 x 46.5
max. current / max. cond. cross-section -/mm²	/ 1.5	/ 2.5
Max. clamping range mm²	0.13...1.5	0.13...2.5
		

Technical data

	WPE 1.5/R3.5	WPE 1.5/ZZ
Rated data		
IEC 60947-7-2	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
IEC	1.5	1.5
UL	AWG 26...18	AWG 26...14
CSA	AWG 26...18	AWG 26...14
EN 60079-7	2.5 mm²	2.5 mm²
for wire cross-section mm²		
Rated voltage to adjoining terminal V	400	800
Rated impulse withstand voltage to adjacent terminal kV	6	8
Rated short-time current	180 A (1.5 mm²)	180 A (1.5 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0	A1 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Rated connection		
Solid / Stranded mm²	0.5...1.5 / 1.5...1.5	0.5...2.5 / 1.5...2.5
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...0.5	0.5...1.5 / 0.5...1.5
Tightening torque (clamping screw for copper conductors)	/ (M 2)	/ (M 2.5)
Tightening torque (mounting screw)		
Stripping length / Blade size mm/-	7 / 0.4 x 2.5 mm	7 / 0.6 x 3.5 mm
Note	PZ 6/5 recommended as crimping tool for 1.5 mm² with wire-end ferrule	

Ordering data

Version	Type	Qty.	Order No.
Green/yellow			
green/yellow	WPE 1.5/R3.5	50	1798460000
Note			

Type	Qty.	Order No.
WPE 1.5/ZZ	50	1016500000

Accessories

End plate / Partition plate	Type	Qty.	Order No.
dark beige	WAP WDU1.5/R3.5	20	1754190000
End bracket			
dark beige	EW 15	50	0382860000
Screwdriver			
Standard			
Marking tags			
	DEK 5/3.5 MC NE WS	500	1755270000
	DEK 5/3.5 MM WS	1000	2007100000
	WS 8/3.5 MM WS	1000	2007140000

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WEW 35/2	50	1061200000
SDS 0.6X3.5X100	1	2749340000
DEK 5/5 MC NE WS	1000	1609801044
WS 12/5 MC NE WS	720	1609860000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000

For detailed information on other accessories and application in the online catalogue

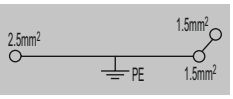
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 2.5/1.5/ZR — 2.5 mm²

Supplementary connection, right 1.5 mm²



5.1 x 60 x 46.5
/ 4
0.05...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 2.5)
10 / 0.6 x 3.5 mm

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Type	Qty.	Order No.
WPE 2.5/1.5/ZR	50	**1016400000**

Type	Qty.	Order No.
WAP 2.5-10	50	**1050000000**
WEW 35/2	50	**1061200000**
SDS 0.6X3.5X100	1	**2749340000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/5 MC NE WS	720	**1609860000**
DEK 5/5 MM WS	800	**2007110000**
WS 8/5 MM WS	800	**2007150000**

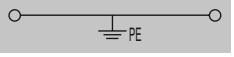
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

AKE 2.5 — 2.5 mm²

Protective earth terminal for TS 15



5.1 x 28 x 26
/ 4
0.13...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

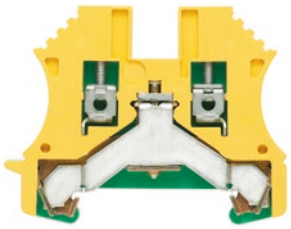
IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	4 mm²
250			
4			
300 A (2.5 mm²)			
3			
A3 / V-2			

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...2.5
/ (M 2.5)
7 / 3.0 x 0.5 mm

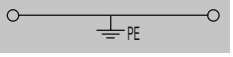
Type	Qty.	Order No.
AKE 2.5	100	**1303360000**

Type	Qty.	Order No.
DEK 5/5 MC NE WS	1000	**1609801044**

WPE 2.5 — 2.5 mm²



5.1 x 60 x 46.5
/ 4
0.05...4



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 2.5)
10 / 0.6 x 3.5 mm

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Type	Qty.	Order No.
WPE 2.5	100	**1010000000**

Type	Qty.	Order No.
WAP 2.5-10	50	**1050000000**
WEW 35/2	50	**1061200000**
SDS 0.6X3.5X100	1	**2749340000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/5 MC NE WS	720	**1609860000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 2.5N — 2.5 mm²

Compact design

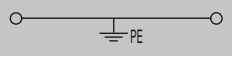


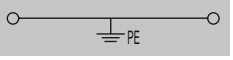
AKE 4 — 4 mm²

Protective earth terminal for TS 15



Width/Height/Depth	mm	5.1 x 54 x 37	7 x 32 x 34.5
max. current / max. cond. cross-section	-/mm²	/ 4	/ 4
Max. clamping range	mm²	0.05...4	0.13...4





Technical data

	WPE 2.5N	AKE 4
IEC 60947-7-2	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
Rated data		
for wire cross-section	2.5 mm²	4 mm²
Rated voltage to adjoining terminal	500	500
Rated impulse withstand voltage to adjacent terminal	6	6
Rated short-time current	300 A (2.5 mm²)	480 A (4 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-2
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)	/ (M 3)
Tightening torque (mounting screw)		
Stripping length / Blade size	10 / 0.6 x 3.5 mm	9 / 0.6 x 3.5 mm
Note	2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).	

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm²
500			
6			

IEC	UL	CSA	EN 60079-7
4	AWG 26...12	AWG 26...12	4 mm²
500			
6			

Ordering data

Version	
	Green/yellow
	green/yellow
Note	

Type	Qty.	Order No.
WPE 2.5N	50	**1016200000**

Type	Qty.	Order No.
AKE 4	100	**0380260000**

Accessories

End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Marking tags	

Type	Qty.	Order No.
WAP WDU2.5N/4N	50	**1060000000**
WEW 35/2	50	**1061200000**
SDS 0.6X3.5X100	1	**2749340000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/5 MC NE WS	720	**1609860000**
DEK 5/5 MM WS	800	**2007110000**
WS 8/5 MM WS	800	**2007150000**

Type	Qty.	Order No.
DEK 5/6.5 MC NE WS	900	**1609840000**

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4 — 4 mm²



6.1 x 56 x 46.5
/ 6
0.13...6



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
/ (M 3)
10 / 0.6 x 3.5 mm

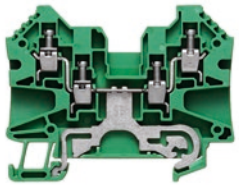
Type	Qty.	Order No.
WPE 4	100	1010100000

Type	Qty.	Order No.
WEW 35/2	50	1061200000
SDS 0.6X3.5X100	1	2749340000
DEK 5/6 MC NE WS	1000	1609820000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4/ZZ — 4 mm²

Twin connection



6.1 x 70 x 53
/ 6
0.05...6



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...4
0.5...4 / 0.5...4
/ (M 3)
10 / 0.6 x 3.5 mm

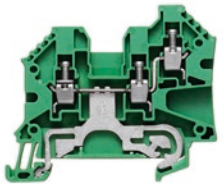
Type	Qty.	Order No.
WPE 4/ZZ	50	1905130000

Type	Qty.	Order No.
WAP WDU/WTR4/ZZ	50	1905150000
WEW 35/2	50	1061200000
SDS 0.6X3.5X100	1	2749340000
DEK 5/6 MC NE WS	1000	1609820000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4/ZR — 4 mm²

Additional connection, right side



6.1 x 63.5 x 52.8
/ 6
0.05...6



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

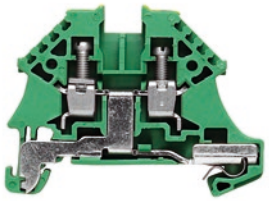
Rated connection
0.5...6 / 0.5...4
0.5...4 / 0.5...4
/ (M 3)
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WPE 4/ZR	50	1905120000

Type	Qty.	Order No.
WAP WDU/WTR4/ZR	50	1905070000
WEW 35/2	50	1061200000
SDS 0.6X3.5X100	1	2749340000
DEK 5/6 MC NE WS	1000	1609820000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Screw connection with clamping yoke technology (W-Series)
PE terminal blocks

	WPE 4N	WPE 6
	4 mm²	6 mm²
	Compact design	
		
Width/Height/Depth mm	6.1 x 50 x 37	7.9 x 56 x 46.5
max. current / max. cond. cross-section -/mm²	/ 6	/ 10
Max. clamping range mm²	0.13...6	0.08...10

Technical data

	WPE 4N	WPE 6
Rated data		
for wire cross-section mm²	IEC 60947-7-2 / Ex eb II C Gb / II 2 G D	IEC 60947-7-2 / Ex eb II C Gb / II 2 G D
	IEC: 4 / UL: AWG 26...10 / CSA: AWG 26...10 / EN 60079-7: 4 mm²	IEC: 6 / UL: AWG 20...8 / CSA: AWG 20...8 / EN 60079-7: 6 mm²
Rated voltage to adjoining terminal V	500	800
Rated impulse withstand voltage to adjacent terminal kV	6	8
Rated short-time current	480 A (4 mm²)	720 A (6 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A5 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 / 1.5...6	0.5...10 / 1.5...10
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductors)	/ (M 3)	/ (M 3)
Tightening torque (mounting screw)		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	12 / 4.0 x 0.8 mm
Note		Conductor connection H07V-..10 and AWG 8 with tightening torque of 1.4-1.6 Nm.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	WPE 4N	50	1042700000
	WPE 6	50	1010200000

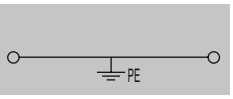
Accessories

	WPE 4N			WPE 6		
	Type	Qty.	Order No.	Type	Qty.	Order No.
End plate / Partition plate						
dark beige	WAP WDU2.5N/4N	50	1060000000			
End bracket						
dark beige	WEW 35/2	50	1061200000	WEW 35/2	50	1061200000
Screwdriver						
Standard	SDS 0.6X3.5X100	1	2749340000	SDS 0.8X4.0X100	1	2749360000
Marking tags						
	DEK 5/6 MC NE WS	1000	1609820000	DEK 5/8 MC NE WS	800	1856740000
	WS 12/6 MC NE WS	600	1609900000	WS 8/6 MM WS	600	2007160000
	DEK 5/6 MM WS	600	2007120000	DEK 5/6 MM WS	600	2007120000
PEN bridge						
For detailed information on other accessories and application in the online catalogue	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).			Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).		

WPE 10 — 10 mm²



9.9 x 56 x 46.5
/ 16
1.31...16



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 16...6	10 mm²
800			
8			
1200 A (10 mm²)			
3			
B6 / V-0			

Rated connection
1.5...16 / 1.5...16
1.5...16 / 1.5...16
/ (M 4)
12 / 1.0 x 5.5 mm

AWG 6/7 and H07V-R16 tighten with 2.4 Nm.

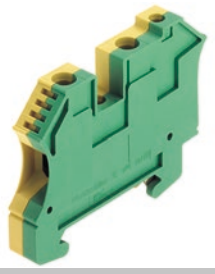
Type	Qty.	Order No.
WPE 10	50	**1010300000**

Type	Qty.	Order No.
WEW 35/2	50	**1061200000**
SDS 1.0X5.5X150	1	**2749380000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/6.5 MC NE WS	540	**1609920000**
WQB-PEN 10	10	**1060300000**

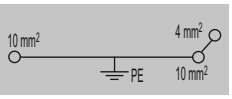
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 10/ZR — 10 mm²

Additional connection on right 4 mm²



9.9 x 66 x 49
/ 16
1.31...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 14...6	
1000			
8			
1200 A (10 mm²)			
3			
B6, A4 / V-0			

Rated connection
1.5...16 / 1.5...16
1.5...16 / 1.5...16
/ (M 4)
12 / 0.6 x 3.5 mm

Max. conductor cross-sections refer to 10 mm² and 16 mm² connections. Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.

Type	Qty.	Order No.
WPE 10/ZR	50	**1042500000**

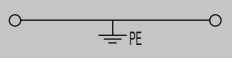
Type	Qty.	Order No.
WEW 35/2	50	**1061200000**
SDS 0.6X3.5X100	1	**2749340000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/6.5 MC NE WS	540	**1609920000**
WQB-PEN 10	10	**1060300000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 16 — 16 mm²



11.9 x 56 x 62.5
/ 25
1.5...25



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...6	16 mm²
1000			
8			
1920 A (16 mm²)			
3			
B7 / V-0			

Rated connection
1.5...16 / 1.5...25
1.5...25 / 1.5...16
/ (M 5)
16 / 1.0 x 5.5 mm

For 25 mm², TS 35 x 15 (steel, 1.5 mm thick) should be used. Tighten H07V-..16 and AWG 6 conductors to 2.0-2.4 Nm.

Type	Qty.	Order No.
WPE 16	50	**1010400000**

Type	Qty.	Order No.
WEW 35/1	50	**1059000000**
SDS 1.0X5.5X150	1	**2749380000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/6.5 MC NE WS	540	**1609920000**
WQB-PEN 16	10	**1060200000**

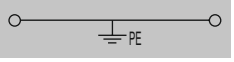
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 16N — 16 mm²

Compact design



Width/Height/Depth	mm	12 x 56 x 46.5
max. current / max. cond. cross-section	-/mm²	/ 25
Max. clamping range	mm²	1.5...25



Technical data

Rated data		IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	16	AWG 14...6	AWG 14...6	
Rated voltage to adjoining terminal	V	400			
Rated impulse withstand voltage to adjacent terminal	kV	6			
Rated short-time current		1920 A (16 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		B7 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	1.5...16 / 1.5...25			
Flexible / Flexible with ferrule	mm²	1.5...16 / 4...16			
Tightening torque (clamping screw for copper conductors)		/ (M 4)			
Tightening torque (mounting screw)					
Stripping length / Blade size	mm/-	12 / 1.0 x 5.5 mm			

Note

25 mm² stranded requires a tightening torque of 2.2 Nm.

Ordering data

Version		Type	Qty.	Order No.
	Green/yellow			
	green/yellow	WPE 16N	50	**1019100000**

Note

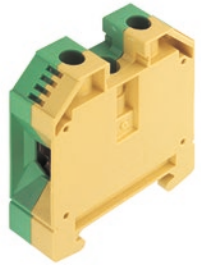
Accessories

PEN bridge		Type		Qty.	Order No.
		WQV 16N-PEN BL	76 A	10	**1071360000**
End bracket					
	dark beige	WEW 35/2		50	**1061200000**
Screwdriver					
	Standard	SDS 1.0X5.5X150		1	**2749380000**
Marking tags					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/6.5 MC NE WS		540	**1609920000**

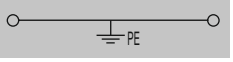
For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 35 — 35 mm²



Width/Height/Depth	mm	16 x 56 x 62.5
max. current / max. cond. cross-section	-/mm²	/ 35
Max. clamping range	mm²	2.5...35



Technical data

Rated data		IEC 60947-7-2			Ex eb II C Gb II 2 G D
		IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	35	AWG 12...2	AWG 12...2	35 mm²
Rated voltage to adjoining terminal	V	800			
Rated impulse withstand voltage to adjacent terminal	kV	8			
Rated short-time current		4200 A (35 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		B8 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	2.5...16 / 2.5...35			
Flexible / Flexible with ferrule	mm²	2.5...35 / 2.5...35			
Tightening torque (clamping screw for copper conductors)		/ (M 6)			
Tightening torque (mounting screw)					
Stripping length / Blade size	mm/-	18 / 6.5 x 1.2 mm			

Ordering data

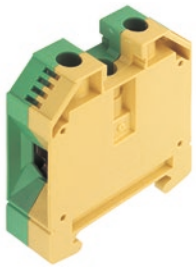
Version		Type	Qty.	Order No.
	Green/yellow			
	green/yellow	WPE 35	25	**1010500000**

Accessories

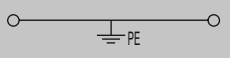
PEN bridge		Type		Qty.	Order No.
		WQB-PEN 35		10	**1060100000**
End bracket					
	dark beige	WEW 35/1		50	**1059000000**
Screwdriver					
	Standard	SDS 1.2X6.5X150		1	**2749390000**
Marking tags					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/6.5 MC NE WS		540	**1609920000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 35/IKSC — 35 mm²



16 x 56 x 62.5
/ 35
2.5...35



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...1	AWG 12...2	35 mm²
800			
8			
4200 A (35 mm²)			
3			
B8 / V-0			

Rated connection
2.5...16 / 2.5...35
2.5...35 / 2.5...35
/ (M 6)
18 / S4 (DIN 6911)

Type	Qty.	Order No.
WPE 35/IKSC	25	**1012600000**

Type	Qty.	Order No.
WQB-PEN 35	10	**1060100000**
WEW 35/1	50	**1059000000**
SDS 1.2X6.5X150	1	**2749390000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/6.5 MC NE WS	540	**1609920000**

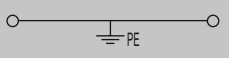
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 35N — 35 mm²

Compact design



16 x 66 x 50.5
/ 50
2.5...50



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...2		35 mm²
400			
6			
4200 A (35 mm²)			
3			
B8 / V-0			

Rated connection
2.5...16 / 2.5...50
2.5...35 / 2.5...35
/ (M 6)
18 / 6.5 x 1.2 mm

Type	Qty.	Order No.
WPE 35N	20	**1717740000**

Type	Qty.	Order No.
WEW 35/2	50	**1061200000**
SDS 1.2X6.5X150	1	**2749390000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/6.5 MC NE WS	540	**1609920000**

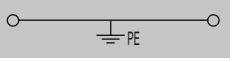
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 50N — 50 mm²

Compact design



18.5 x 71 x 69.6
/ 70
5.26...70



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
50	AWG 10...0	AWG 14...0	50 mm²
1000			
8			
6000 A (50 mm²)			
3			
B10 / V-0			

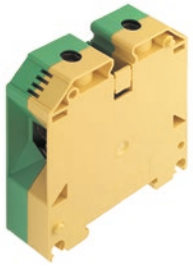
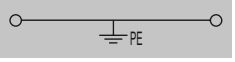
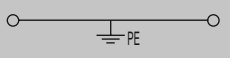
Rated connection
10...16 / 10...70
10...50
/ (M 6)
24 / S4 (DIN 6911)

For 50 and 70 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 50N	10	**1846040000**

Type		Qty.	Order No.
WQV PEN 50N	150 A	5	**9201610000**
WEW 35/1		50	**1059000000**
SKS 2,0-8,0 MR		1	**9008870000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 12/6.5 MC NE WS		540	**1609920000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

	WPE 70N/35	WPE 95N/120N
	70 mm²	95 mm²
	Compact design	Compact design
		
Width/Height/Depth mm	20.5 x 75 x 85	27 x 91 x 90
max. current / max. cond. cross-section -/mm²	/ 95	/ 150
Max. clamping range mm²	16...95	16...150
		
	IEC 60947-7-2	IEC 60947-7-2
	Ex eb II C Gb	Ex eb II C Gb
	II 2 G D	II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	70	AWG 6...0	AWG 6...0	70 mm²
Rated voltage to adjoining terminal V	1000			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current	8400 A (70 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B11 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	16...16 / 16...95			
Flexible / Flexible with ferrule mm²	16...70 / 16...50			
Tightening torque (clamping screw for copper conductors)	/ (M 8)			
Tightening torque (mounting screw)				
Stripping length / Blade size mm/-	22 / S6 (DIN 6911)			

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	95	AWG 4...0	AWG 4...0	120 mm²
Rated voltage to adjoining terminal V	1000			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current	11400 A (95 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B13 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	16...16 / 16...150			
Flexible / Flexible with ferrule mm²	16...120			
Tightening torque (clamping screw for copper conductors)	/ (M 10)			
Tightening torque (mounting screw)				
Stripping length / Blade size mm/-	27 / S6 (DIN 6911)			

Note	
	For 50 - 95 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Note	
	For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

Version	Type	Qty.	Order No.
Green/yellow			
green/yellow	WPE 70N/35	10	9512200000

Note

Version	Type	Qty.	Order No.
Green/yellow			
green/yellow	WPE 95N/120N	5	1846030000

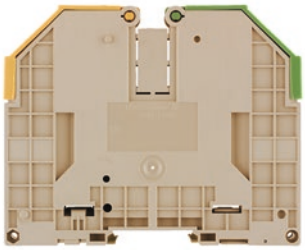
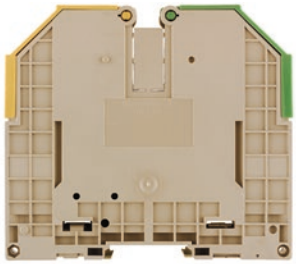
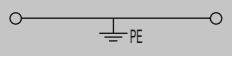
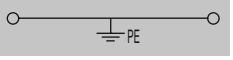
Note
UL, CSA and ATEX certifications are pending

Accessories

PEN bridge	Type		Qty.	Order No.
	WQV 70N-PEN	192 A	5	9525840000
End bracket				
dark beige	WEW 35/1		50	1059000000
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	9008870000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/6.5 MC NE WS		540	1609920000

PEN bridge	Type	Qty.	Order No.
	WQV PEN 95N/120N	5	9201630000
End bracket			
	WEW 35/1	50	1059000000
Screwdriver			
	SKS 2,0-8,0 MR	1	9008870000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 12/6.5 MC NE WS	540	1609920000

For detailed information on other accessories and application in the online catalogue	Rail holder for protective isolation Installation of the mounting rail "SH 2" Order no. 0494920000 (qty. 10).	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

	WPE 70/95	WPE 120/150
	95 mm²	120 mm²
	Conductor can be inserted from above / leaf spring	Conductor can be inserted from above / leaf spring
		
Width/Height/Depth mm	27 x 132 x 107	32 x 132 x 117
max. current / max. cond. cross-section -/mm²	/ 120	/ 150
Max. clamping range mm²	13.3...120	33.62...150
		
	IEC 60947-7-2 Ex eb II C Gb  II 2 G D	IEC 60947-7-2 Ex eb II C Gb  II 2 G D

Technical data

	IEC	UL	CSA	EN 60079-7
Rated data				
for wire cross-section mm²	95	AWG 6...0	AWG 6...0	95 mm²
Rated voltage to adjoining terminal V	1000			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current	11400 A (95 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B12 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	16...16 / 16...120			
Flexible / Flexible with ferrule mm²	16...95 / 35...50			
Tightening torque (clamping screw for copper conductors)	/ (M 8)			
Tightening torque (mounting screw)				
Stripping length / Blade size mm/-	30 / S6 (DIN 6911)			
Note	For 50 - 120 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.			

	IEC	UL	CSA	EN 60079-7
Rated data				
for wire cross-section mm²	120	AWG 2...250	AWG 2...250	150 mm²
Rated voltage to adjoining terminal V	1000			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current	14400 A (120 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B13 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	/ 35...150			
Flexible / Flexible with ferrule mm²	35...150 / 35...50			
Tightening torque (clamping screw for copper conductors)	/ (M 10)			
Tightening torque (mounting screw)				
Stripping length / Blade size mm/-	35 / S6 (DIN 6911)			
Note	For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.			

Ordering data

Version	Type	Qty.	Order No.
green/yellow	WPE 70/95	10	1037300000
Note			

Type	Qty.	Order No.
WPE 120/150	10	1019700000

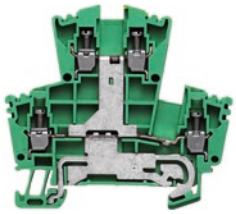
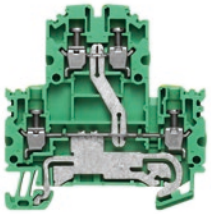
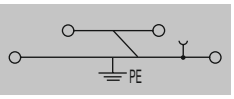
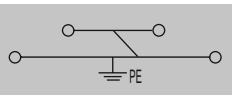
Accessories

PEN bridge	Type		Qty.	Order No.
	WQV 70/95-PEN	232 A	5	1072300000
End bracket				
dark beige	WEW 35/1		50	1059000000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/6.5 MC NE WS		540	1609920000
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	9008870000

Type		Qty.	Order No.
WQV 120-PEN	292 A	5	1072400000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

For detailed information on other accessories and application in the online catalogue	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Screw connection with clamping yoke technology (W-Series)
PE terminal blocks

	WDK 2.5 PE	WDK 2.5N PE
	2.5 mm²	2.5 mm²
		Compact design
		
Width/Height/Depth mm	5.1 x 69.5 x 62.5	5.1 x 60.7 x 54.95
max. current / max. cond. cross-section -/mm²	/ 4	/ 4
Max. clamping range mm²	0.05...4	0.05...4
		
	IEC 60947-7-2	IEC 60947-7-2
	Ex eb II C Gb	Ex eb II C Gb
	II 2 G D	II 2 G D

Technical data

	WDK 2.5 PE				WDK 2.5N PE			
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section mm²	2.5	AWG 22...12	AWG 26...12	4 mm²	2.5		AWG 26...12	4 mm²
Rated voltage to adjoining terminal V	400				800			
Rated impulse withstand voltage to adjacent terminal kV	6				8			
Rated short-time current	300 A (2.5 mm²)				300 A (2.5 mm²)			
Pollution severity	3				3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0				A3 / V-0			
Approvals								
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)				/ (M 2.5)			
Stripping length / Blade size mm/-	10 /				8 / 0.6 x 3.5 mm			
Note	2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).				2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).			

Ordering data

Version	Type	Qty.	Order No.
	WDK 2.5PE	50	1036300000
green/yellow			
Note			

Type	Qty.	Order No.
WDK 2.5N PE	50	1041620000

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK2.5		20	1059100000
Blue				
dark beige				
End bracket				
dark beige	WEW 35/2		50	1061200000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000
Cover				
Blank, white				
Blank, yellow				

Type	Qty.	Order No.
WAP WDK2.5/4 N	20	1084000000
WAP WDK2.5/4 N BL	20	1084080000
WTW EN	20	1058800000
WEW 35/2	50	1061200000
SDS 0.6X3.5X100	1	2749340000
DEK 5/5 MC NE WS	1000	1609801044
WS 8/5 MC NE WS	720	1640740000
DEK 5/5 MM WS	800	2007110000

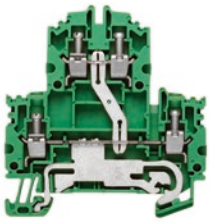
For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

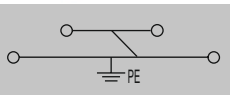
Rail support for protective-insulated installation of mounting rail "SH 2", order no. 0494920000 (QTY 10). Cross-connections, see section "W series accessories".

WDK 4N PE — 4 mm²

Compact design



6.1 x 60.7 x 63.25
/ 6
0.13...6



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	6 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

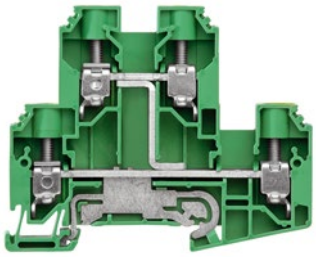
Rated connection
0.5...6 / 1.5...6
0.5...4 / 1.5...4
/ (M 3)
8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 4N PE	50	**1041920000**

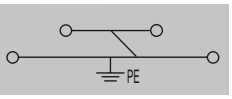
Type	Qty.	Order No.
WAP WDK2.5/4 N	20	**1084000000**
WEW 35/2	50	**1061200000**
SDS 0.6X3.5X100	1	**2749340000**
DEK 5/6 MC NE WS	1000	**1609820000**
WS 8/5 MM WS	800	**2007150000**
DEK 5/5 MM WS	800	**2007110000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WDK 10 PE — 10 mm²



9.9 x 85 x 69
70 / 16
1.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 18...6	AWG 18...6	
800			
8			
1200 A (10 mm²)			
3			
B6 / V-0			

Rated connection
1.5...16 / 1.5...16
1.5...16 / 1.5...16
/ (M 4)
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
WDK 10 PE	50	**1415470000**

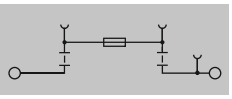
Type		Qty.	Order No.
WQV 10/2	76 A	50	**1052560000**
WQV 10/10	63 A	20	**1052460000**
WAP WDK10		20	**1186720000**
WAP WDK10 BL		20	**1186730000**
WEW 35/2		50	**1061200000**
SDS 1.0X5.5X150		1	**2749380000**
DEK 5/5 MC NE WS		1000	**1609801044**
WAD 8 MC NE WS		48	**1112940000**
WAD 8 MC NE GE		48	**1112950000**

Cross-connections, see section "W series accessories".

WFS 4 — 4 mm²



Width/Height/Depth	6.1 x 62.5 x 75
max. current / max. cond. cross-section	**6.3 / 6**
Max. clamping range	**0.22...6**



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	300 (D)	300 (D)	
6.3	10	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
/ (M 3)
0.6 x 3.5 mm

Note

Ordering data

Version	Qty.	Order No.
black, 500 V AC/DC, without LED	50	**2561900000**
blue, 500 V AC/DC, without LED	50	**2562000000**
dark beige, 500 V AC/DC, without LED	50	**2562050000**

Note

Accessories

End bracket	Qty.	Order No.
dark beige	50	**1061200000**
Screwdriver		
With "swifty set" cutting device	1	**9006060000**
Standard	1	**2749340000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)		
0.25 A fast	10	**0430500000**
0.50 A fast	10	**0430600000**
1.00 A fast	10	**0430700000**
2.00 A fast	10	**0430900000**
Marking tags		
	1000	**1609820000**
	600	**1609900000**

For detailed information on other accessories and application in the online catalogue

WFS 4

Overload and short-circuit protection

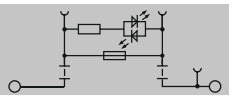
Type	Order No.
WFS 4 10-36V	**2562070000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	55 °C	4.0 W / 10 A	35 °C	2.5 W / 2.5 A
In combination	68 °C	2.5 W / 2.5 A	41 °C	1.6 W / 1.0 A

WFS 4 LD — 4 mm²



Width/Height/Depth	6.1 x 62.5 x 75 mm
max. current / max. cond. cross-section	6.3 / 6 A/mm²
Max. clamping range	0.22...6 mm²



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	300 (D)	300 (D)	
6.3	10	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
/ (M 3)
0.6 x 3.5 mm

Note

Ordering data

Version	Qty.	Order No.
10–36 V AC/DC, with LED	50	2562070000
30–70 V AC/DC, with LED	50	2561990000
60–150 V AC/DC, with LED	50	2561970000
100 – 250 V AC/DC, with LED	50	2561960000

Note

Accessories

Type	Qty.	Order No.
End plate / Partition plate		
dark beige		
WAP 2.5-10	50	1050000000
End bracket		
dark beige		
WEW 35/2	50	1061200000
Screwdriver		
With "swifty set" cutting device		
SWIFTY SET	1	9006060000
Standard		
SDS 0.6X3.5X100	1	2749340000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)		
0.25 A fast		
G 20/0.25A/F 0.25 A	10	0430500000
0.50 A fast		
G 20/0.50A/F 0.5 A	10	0430600000
1.00 A fast		
G 20/1.00A/F 1 A	10	0430700000
Marking tags		
DEK 5/6 MC NE WS	1000	1609820000
WS 12/6 MC NE WS	600	1609900000

For detailed information on other accessories and application in the online catalogue

WFS 4

Overload and short-circuit protection

Type	Order No.
WFS 4	2561900000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	63 °C	4.0 W / 6.3 A	34 °C	1.6 W / 6.3 A
In combination	47 °C	2.5 W / 6.3 A	23 °C	1.6 W / 6.3 A

WSI 4 — 4 mm²



Width/Height/Depth	8 x 50.7 x 42.5 mm
max. current / max. cond. cross-section	**6.3 / 4** A/mm²
Max. clamping range	**0.5...4** mm²



WSI 4

Overload and short-circuit protection

Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	500	300 (C)	300 (C)	
Rated current	6.3	15	15	
for wire cross-section	4	AWG 30...12	AWG 30...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4
Tightening torque (clamping screw for copper conductors)	/ (M 3)
Blade size	0.6 x 3.5 mm

Note

Type	Order No.
WSI 4	**1886580000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	63 °C	4.0 W / 6.3 A	34 °C	1.6 W / 6.3 A
In combination	47 °C	2.5 W / 6.3 A	23 °C	1.6 W / 6.3 A

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 4	50	**1886580000**
10–36 V AC/DC, with LED	WSI 4/LD 10-36V AC/DC	50	**1886590000**
30–70 V AC/DC, with LED	WSI 4/LD 30-70V AC/DC	50	**1886560000**
60–150 V AC/DC, with LED	WSI 4/LD 60-150V AC/DC	50	**1886570000**
140–250 V AC/DC, with LED	WSI 4/LD 140-250V AC/DC	50	**1886550000**

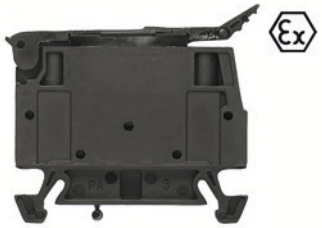
Note

Accessories

End bracket	Type		Qty.	Order No.
dark beige	WEW 35/2		50	**1061200000**
Screwdriver				
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**2749340000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6 MC NE WS		600	**1609900000**

For detailed information on other accessories and application in the online catalogue

WSI 4 Ex — 4 mm²



Width/Height/Depth	mm	8 x 50.7 x 42.5
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**
Max. clamping range	mm²	**0.5...4**



Technical data

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	500	300 (C)	300 (C)	
Rated current	6.3	15	15	6.3
for wire cross-section	4	AWG 30...12	AWG 30...12	4 mm²
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals				DEMKO14ATEX1389U

IEC 60947-7-3 — Ex ec II C Gc II 3 G D

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4
Tightening torque (clamping screw for copper conductors)	/ (M 3)
Blade size	0.6 x 3.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 4	50	**2562590000**
10–36 V AC/DC, with LED	WSI 4/LD 10-36V AC/DC	50	**2564350000**
30–70 V AC/DC, with LED	WSI 4/LD 30-70V AC/DC	50	**2564360000**
60–150 V AC/DC, with LED	WSI 4/LD 60-150V AC/DC	50	**2564370000**
140–250 V AC/DC, with LED	WSI 4/LD 140-250V AC/DC	50	**2564380000**

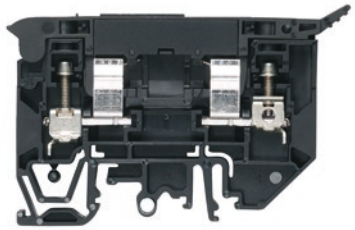
Note

Accessories

End bracket	Type	Qty.	Order No.
dark beige	WEW 35/2	50	**1061200000**
Screwdriver			
With "swifty set" cutting device	SWIFTY SET	1	**9006060000**
Standard	SDS 0.6X3.5X100	1	**2749340000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)			
0.25 A fast	G 20/0.25A/F 0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F 0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F 1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F 2 A	10	**0430900000**
Marking tags			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 12/6 MC NE WS	600	**1609900000**

For detailed information on other accessories and application in the online catalogue

WSI 4/2 — 4 mm²



Width/Height/Depth	9.1 x 81.6 x 53.5 mm
max. current / max. cond. cross-section	**6.3 / 6** A/mm²
Max. clamping range	**0.5...6** mm²



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
6.3	15	15	
4	AWG 30...10	AWG 30...10	
	6 kV / 3		
	V-0		

Rated connection
0.5...6 / 1.5...6
0.5...6
/ (M 3)
0.6 x 3.5 mm

Width/height/depth = 9.1 x 58.5 x 81.6 mm

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 4/2	25	**1880430000**
10–36 V AC/DC, with LED	WSI 4/2/LD 10-36V AC/DC	25	**1880410000**
30–70 V AC/DC, with LED	WSI 4/2/LD 30-70V AC/DC	25	**1880440000**
60–150 V AC/DC, with LED	WSI 4/2/LD 60-150V AC/DC	25	**1880420000**
140–250 V AC/DC, with LED	WSI 4/2/LD 140-250V AC/DC	25	**1880390000**

Note

Accessories

End plate / Partition plate	Type		Qty.	Order No.
dark beige	WAP WSI4/2		50	**1880450000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Screwdriver				
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**2749340000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	GZ 2.0A/F	2 A	10	**1460600000**
2.00 A fast / 5 A	GZ 5.0A/F	0.5 A	10	**1460620000**
4.00 A fast / 10 A	GZ 10.0A/F		10	**1460640000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6 MC NE WS		600	**1609900000**

For detailed information on other accessories and application in the online catalogue

WSI 4/2

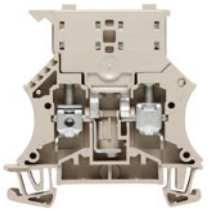
Overload and short-circuit protection

Type	Order No.
WSI 4/2	**1880430000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	55 °C	4.0 W / 10 A	35 °C	2.5 W / 2.5 A
In combination	68 °C	2.5 W / 2.5 A	41 °C	1.6 W / 1.0 A

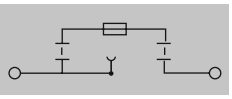
WSI 6 — 6 mm²

Metric fuses



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

7.9 x 60 x 61
6.3 / 10
0.5...10



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	500	600 (C)	600 (C)	
Rated current (A)	6.3	9.5	10	
for wire cross-section (mm²)	6	AWG 22...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...10 / 1.5...10
Flexible / Flexible with ferrule (mm²)	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductors)	/ (M 3.5)
Blade size	0.8 x 4.0 mm

Note

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 6	50	1011000000
10–36 V AC/DC, with LED			
30–70 V AC/DC, with LED			
60–150 V AC/DC, with LED			
140–250 V AC/DC, with LED			

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

	Type		Qty.	Order No.
Screwable cross-connection				
2-pole	QL 2 SAK6N	41 A	50	0194300000
10-pole	QL 10 SAK6N	41 A	20	0338300000
Lock washer	SS M3 D 128-A 3		50	0164400000
Mounting screw	KISC M3X5		100	1052100000
End plate / Partition plate				
dark beige	WAP 2.5-10		50	1050000000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000
Screwdriver				
Standard	SDS 0.8X4.0X100		1	2749360000
End bracket				
dark beige	WEW 35/2		50	1061200000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	0430500000
0.50 A fast	G 20/0.50A/F	0.5 A	10	0430600000
1.00 A fast	G 20/1.00A/F	1 A	10	0430700000
2.00 A fast	G 20/2.00A/F	2 A	10	0430900000
Marking tags				
	DEK 5/8 MC NE WS		800	1856740000
	WS 12/6.5 MC NE WS		540	1609920000
	DEK 5/8 MM WS		500	2007130000
	WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

WSI 6

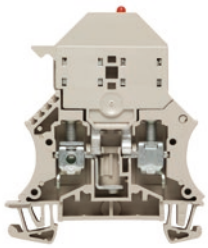
Overload and short-circuit protection

Type	Order No.
WSI 6	1011000000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	42 °C	4.0 W / 6.3 A	31 °C	1.6 W / 3.0 A
In combination	36 °C	225 W / 6.3 A	27 °C	1.6 W / 3.0 A

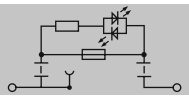
WSI 6 LD — 6 mm²

Metric fuses / bipolar LED



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

7.9 x 60 x 71.5	
6.3 / 10	
0.5...10	



WSI 6 LD

Overload and short-circuit protection

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...8	
	6 kV / 3		
	V-0		
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
/ (M 3.5)			
0.8 x 4.0 mm			

Type	Order No.
WSI 6/LD 10-36V DC/AC	**1011300000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	42 °C	4.0 W / 6.3 A	31 °C	1.6 W / 3.0 A
In combination	36 °C	225 W / 6.3 A	27 °C	1.6 W / 3.0 A

Note

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED			
10–36 V AC/DC, with LED	WSI 6/LD 10-36V DC/AC	10	**1011300000**
30–70 V AC/DC, with LED	WSI 6/LD 30-70V DC/AC	10	**1012200000**
60–150 V AC/DC, with LED	WSI 6/LD 60-150V DC/AC	10	**1012300000**
140–250 V AC/DC, with LED	WSI 6/LD 250AC	10	**1012400000**

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

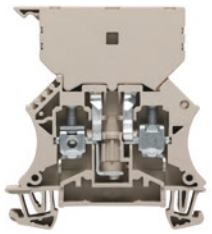
Screwable cross-connection	Type		Qty.	Order No.
2-pole	QL 2 SAK6N	41 A	50	**0194300000**
10-pole	QL 10 SAK6N	41 A	20	**0338300000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Screwdriver				
Standard	SDS 0.8X4.0X100		1	**2749360000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
	DEK 5/8 MM WS		500	**2007130000**
	WS 8/8 MM WS		500	**2007170000**

For detailed information on other accessories and application in the online catalogue

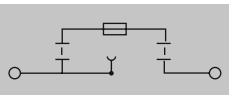
Markers only fit on one side. Cross-connections, see section "W series accessories".

WSI 6/2 — 6 mm²

Imperial fuses



Width/Height/Depth	11.9 x 60 x 66.5 mm
max. current / max. cond. cross-section	**6.3 / 10** A/mm²
Max. clamping range	**0.5...10** mm²



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	150 (C)	
6.3	16	16	
6	AWG 22...8	AWG 20...6	
	6 kV / 3		
	V-0		

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
/ (M 3.5)
0.8 x 4.0 mm

Fuse inserts or contact sleeves should be attached in the middle.

WSI 6/2

Overload and short-circuit protection

Type	Order No.
WSI 6/2 GZ/DEF63	**1014000000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	52 °C	4.0 W / 10.0 A	42 °C	2.5 W / 2.5 A
In combination	62 °C	2.5 W / 2.5 A	30 °C	2.5 W / 2.5 A

Ordering data

Version	
	500 V AC/DC, without LED
	10–36 V AC/DC, with LED
	30–70 V AC/DC, with LED
	60–150 V AC/DC, with LED
	140–250 V AC/DC, with LED

Note

Type	Qty.	Order No.
WSI 6/2 GZ/DEF63	25	**1014000000**

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

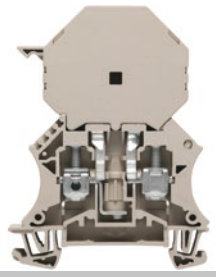
Screwable cross-connection			
	2-pole	50	**0470700000**
	10-pole	20	**0471000000**
	Lock washer	50	**0164400000**
	Mounting screw	100	**1052100000**
End plate / Partition plate			
	dark beige	50	**1050000000**
	dark beige	20	**1050100000**
G25 with indicator / imperial (inch) fuse			
	0.50 A medium slow / 2 A	10	**1460600000**
	2.00 A fast / 5 A	10	**1460620000**
	4.00 A fast / 10 A	10	**1460640000**
Marking tags			
		800	**1856740000**
		540	**1609920000**

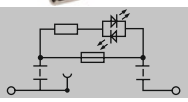
For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

WSI 6/2 m. LED — 6 mm²

Imperial fuses / bipolar LED





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²
11.9 x 60 x 78.5	
6.3 / 10	
0.5...10	

Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	500			
Rated current	6.3			
for wire cross-section	6	AWG 22...8	AWG 20...6	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...10 / 1.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductors)	/ (M 3.5)
Blade size	0.8 x 4.0 mm

Note

Fuse inserts or contact sleeves should be attached in the middle.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED			
10–36 V AC/DC, with LED	WSI 6/2/LD 10-36V DC/AC	25	**1014100000**
30–70 V AC/DC, with LED	WSI 6/2/LD 30-70V DC/AC	25	**1014200000**
60–150 V AC/DC, with LED	WSI 6/2/LD 60-150VDC/AC	25	**1014300000**
140–250 V AC/DC, with LED	WSI 6/2/LD 250AC	25	**1014400000**

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	QL 2 SAK16	76 A	50	**0470700000**
10-pole	QL 10 SAK16	76 A	20	**0471000000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	GZ 2.0A/F	2 A	10	**1460600000**
2.00 A fast / 5 A	GZ 5.0A/F	0.5 A	10	**1460620000**
4.00 A fast / 10 A	GZ 10.0A/F		10	**1460640000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

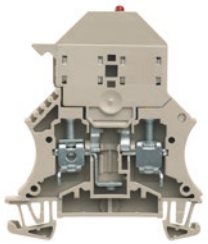
WSI 6/2 m. LED

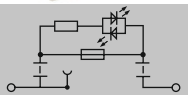
Overload and short-circuit protection

Type	Order No.
WSI 6/2/LD 10-36V DC/AC	**1014100000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	52 °C	4.0 W / 10.0 A	42 °C	2.5 W / 2.5 A
In combination	62 °C	2.5 W / 2.5 A	30 °C	2.5 W / 2.5 A

WSI 6/LD LLC — 6 mm²





Width/Height/Depth	mm	7.9 x 60 x 71.5
max. current / max. cond. cross-section	A/mm²	**6.3 / 10**
Max. clamping range	mm²	**0.5...10**

Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500			
Rated current A	6.3			
for wire cross-section mm²	6	AWG 22...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			/ 3	
UL 94 flammability rating			V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	/ (M 3.5)			
Blade size	0.8 x 4.0 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
10–36 V AC/DC, with LED	WSI 6/LD 10-36V LLC	10	**1119840000**
30–70 V AC/DC, with LED	WSI 6/LD 30-70V LLC	10	**1119830000**
60–150 V AC/DC, with LED	WSI 6/LD 60-150V LLC	10	**1119850000**
140–250 V AC/DC, with LED	WSI 6/LD 250AC LLC	10	**1119870000**

Note

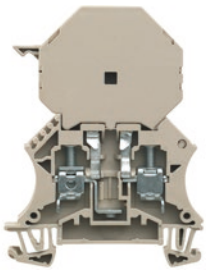
Accessories

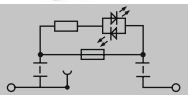
Screwable cross-connection	Type		Qty.	Order No.
2-pole	QL 2 SAK6N	41 A	50	**0194300000**
10-pole	QL 10 SAK6N	41 A	20	**0338300000**
Mounting screw	KISC M3X20 SAK10 CU5		100	**0377100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
Screwdriver				
Standard	SDS 0.8X4.0X100		1	**2749360000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
	DEK 5/8 MM WS		500	**2007130000**
	WS 8/8 MM WS		500	**2007170000**

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

WSI 6/2/LD LLC — 6 mm²





Width/Height/Depth	mm	11.9 x 60 x 78.5
max. current / max. cond. cross-section	A/mm²	**6.3 / 10**
Max. clamping range	mm²	**0.5...10**

Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500			
Rated current A	6.3			
for wire cross-section mm²	6	AWG 22...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		/ 3		
UL 94 flammability rating		V-0		
Approvals	CE EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	/ (M 3.5)			
Blade size	0.8 x 4.0 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
10–36 V AC/DC, with LED	WSI 6/2/LD 10-36V LLC	25	**1119800000**
30–70 V AC/DC, with LED	WSI 6/2/LD 30-70V LLC	25	**1119810000**
60–150 V AC/DC, with LED	WSI 6/2/LD 60-150V LLC	25	**1119820000**
140–250 V AC/DC, with LED	WSI 6/2/LD 250AC LLC	25	**1119790000**

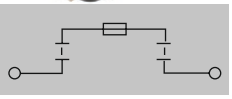
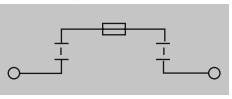
Note

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	QL 2 SAK16	76 A	50	**0470700000**
10-pole	QL 10 SAK16	76 A	20	**0471000000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	GZ 2.0A/F	2 A	10	**1460600000**
2.00 A fast / 5 A	GZ 5.0A/F	0.5 A	10	**1460620000**
4.00 A fast / 10 A	GZ 10.0A/F		10	**1460640000**
Screwdriver				
Standard	SDS 0.8X4.0X100		1	**2749360000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

	WSI 25 10x38	25 mm²	WSI 25 CC	25 mm²
				
Width/Height/Depth mm	18 x 81 x 58		18 x 81 x 58	
max. current / max. cond. cross-section A/mm²	**32 / 25**		**32 / 25**	
Max. clamping range mm²	**1.5...25**		**1.5...25**	

Technical data

Rated data		IEC 60947-7-3			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	690			
Rated current	A	32			
for wire cross-section	mm²	25		AWG 18...3	
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
UL 94 flammability rating				V-0	
Approvals		CE cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	1.5...25 / 1.5...25			
Flexible / Flexible with ferrule	mm²	1.5...25 / 1.5...25			
Tightening torque (clamping screw for copper conductors)					
Blade size					
Note		Suitable for fuse inserts acc. to IEC 60269-6 with power losses up to 3 W maximum. 440 V DC			

Rated data		IEC 60947-7-3			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	690			
Rated current	A	32			
for wire cross-section	mm²	25		AWG 18...3	
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
UL 94 flammability rating				V-0	
Approvals		CE cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	1.5...25 / 1.5...25			
Flexible / Flexible with ferrule	mm²	1.5...25 / 1.5...25			
Tightening torque (clamping screw for copper conductors)					
Blade size					
Note		Suitable for fuse cartridges in accordance with IEC 60269-6 with power losses up to max. 3 W.Suitable for fuse cartridges in accordance with UL 248-4.			

Ordering data

Version	Type	Qty.	Order No.
1-pole, without LED	WSI 25/1 10X38	12	**1966020000**
2-pole, without LED	WSI 25/2 10X38	6	**1966090000**
3-pole, without LED	WSI 25/3 10X38	4	**1966080000**
1-pole, with LED	WSI 25/1 10X38/LED 690V	12	**1966060000**
Note	1000 VDC rated voltage tested.		

Version	Type	Qty.	Order No.
1-pole, without LED	WSI 25/1 CC	12	**1966050000**
2-pole, without LED	WSI 25/2 CC	6	**1966040000**
3-pole, without LED	WSI 25/3 CC	4	**1966030000**
1-pole, with LED	WSI 25/1 CC/LED	12	**1966070000**

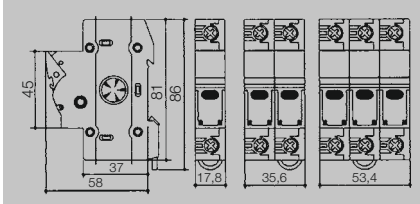
Accessories

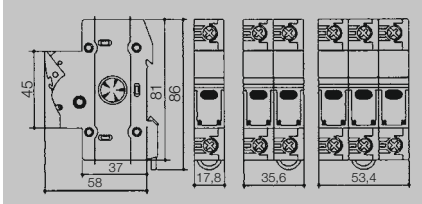
Marking tags	Type	Qty.	Order No.
Marking tags	ESG 6/15 K MC NE WS	200	**1880100000**

Marking tags	Type	Qty.	Order No.
Marking tags	ESG 6/15 K MC NE WS	200	**1880100000**

For detailed information on other accessories and application in the online catalogue

Technical drawing

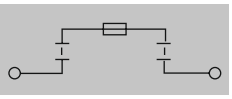




WSI 25/1 10x38 1KV — 25 mm²



Width/Height/Depth	mm	18 x 81 x 58
max. current / max. cond. cross-section	A/mm²	**30 / 25**
Max. clamping range	mm²	**1.5...25**



Technical data

IEC 60269-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	1000			
Rated current A	30			
for wire cross-section mm²	25		AWG 18...8	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals	CE EAC UL			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	1.5...25 / 1.5...25			
Flexible / Flexible with ferrule mm²	1.5...25 / 1.5...25			
Tightening torque (clamping screw for copper conductors)				
Blade size				

Note	
	Suitable for fuse cartridges to IEC 60269-6 with power loss up to 3 W maximum.

Ordering data

Version	Type	Qty.	Order No.
1-pole, without LED	WSI 25/1 10X38 1KV	12	**1137790000**
1-pole, with LED	WSI 25/1 10X38/LED 1KV	12	**1137780000**

Note	

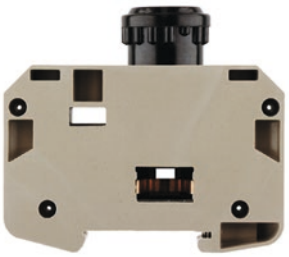
Accessories

Safety fuses	Type	Qty.	Order No.
2 A	FUSE 1KV DC 2A 10/38	10	**1224870000**
4 A	FUSE 1KV DC 4A 10/38	10	**1224880000**
6 A	FUSE 1KV DC 6A 10/38	10	**1224890000**
10 A	FUSE 1KV DC 10A 10/38	10	**1224910000**
12 A	FUSE 1KV DC 12A 10/38	10	**1224920000**
16 A	FUSE 1KV DC 16A 10/38	10	**1224930000**
20 A	FUSE 1KV DC 20A 10/38	10	**1224950000**

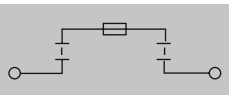
For detailed information on other accessories and application in the online catalogue

SAKS 2/35 DB — 10 mm²

D fuses E 16



Width/Height/Depth	27.6 x 80 x 73.5 mm
max. current / max. cond. cross-section	10 / 16 A/mm²
Max. clamping range	0.22...16 mm²

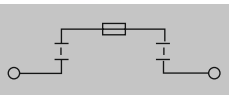


SAKS 4/35 DB — 10 mm²

D 01 fuses E 14



Width/Height/Depth	24 x 75 x 65 mm
max. current / max. cond. cross-section	16 / 16 A/mm²
Max. clamping range	0.22...16 mm²



Technical data

Rated data	SAKS 2/35 DB	SAKS 4/35 DB
Rated voltage to adjoining terminal (V)	500	400
Rated current (A)	10	16
for wire cross-section (mm²)	10	10
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
UL 94 flammability rating	V-0, 5VA	V-0, 5VA
Approvals	IEC 60947-7-3	IEC 60947-7-3
Clamped conductors (H05V/H07V)		
Solid / Stranded (mm²)	0.5...16 / 0.5...10	0.5...16 / 0.5...10
Flexible / Flexible with ferrule (mm²)	0.5...10	0.5...10
Tightening torque (clamping screw for copper conductors)	/ (M 4)	/ (M 4)
Blade size	1.0 x 5.5 mm	1.0 x 5.5 mm

Approvals	IEC	UL	CSA	EN 60079-7
SAKS 2/35 DB	500		600 (C)	
	10		25	
	10		AWG 22...8	
SAKS 4/35 DB	400	600 (C)	600 (C)	
	16	30	30	
	10	AWG 26...8	AWG 22...8	

Note	
SAKS 2/35 DB	Connections for stranded conductors from 10 mm² and AWG conductors require a tightening torque of 2 Nm.
SAKS 4/35 DB	400 V also with Neozed marine engineering fuse. On connection of over 10 mm² stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	SAKS 2/35 DB	20	1368700000
	SAKS 4/35 DB	20	0501800000
Note			
	Material Duroplast KRG		

Accessories

	Type		Qty.	Order No.
Screwable cross-connection				
2-pole	QL 2 SAKS2	36 A	20	0207800000
10-pole	QL 10 SAKS2	36 A	20	0338900000
Lock washer	SS M4 D 128-A 4		100	0136400000
Mounting screw	BFSC M4X9T		100	0103300000
End plate / Partition plate				
dark beige	WTW EN		20	1058800000
Screw cover cap				
SK	SK E16/SAKS2		25	0284110000
Safety fuses				
	E 16/10A RT TNDZ	10 A	25	0208500000
	E 16/16A GR TNDZ	16 A	25	0208600000
	E 16/20A BL TNDZ	20 A	25	0208700000
	E 16/25A GE TNDZ	25 A	25	0208800000
Gauge rings				
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044

	Type		Qty.	Order No.
	QL 2 SAKS4	47 A	20	0328000000
	QL 10 SAKS4	47 A	20	0339000000
	SS M4 D 128-A 4		100	0136400000
	BFSC M4X9T		100	0103300000
	WTW EN		20	1058800000
	SK E14 SAKS4		20	0339410000
	E 14/2A RS	2 A	10	0137400000
	E 14/4A BR	4 A	10	0137500000
	E 14/6A GN	6 A	10	0328300000
	E 14/10A RT	10 A	10	0328400000
	P 14/2 D01 RS SAKS4	2 A	50	0138000000
	P 14/4 D01 BR SAKS4	4 A	50	0138100000
	DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

Replacement screw cover cap, order no. 0284110000 (QTY 20) Cross-connections, see section "W series accessories".

Replacement screw cover cap, order no. 0339410000 (QTY 20) Cross-connections, see section "W series accessories".

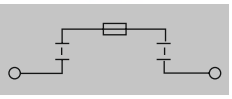
SAKS 5/35 DB — 16 mm²

D 02 fuse E 18



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

28 x 80 x 65
63 / 16
1.5...16



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	400	600 (C)	600 (C)	
Rated current	63	40	63	
for wire cross-section	16	AWG 14...6	AWG 14...6	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0, 5VA		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	1.5...16 / 1.5...16			
Flexible / Flexible with ferrule	1.5...16			
Tightening torque (clamping screw for copper conductors)	/ (M 4)			
Blade size	1.0 x 5.5 mm			

Note

400 V also with Neozed marine engineering fuse. On connection of over 10 mm² stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	SAKS 5/35 DB	20	**0502100000**
Note	Material Duroplast KRG		

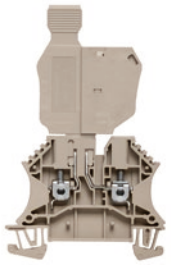
Accessories

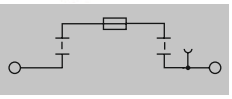
	Type		Qty.	Order No.
Screwable cross-connection				
2-pole	QL 2 SAKS2	36 A	20	**0207800000**
10-pole	QL 10 SAKS2	36 A	20	**0338900000**
Lock washer	SS M4 D 128-A 4		100	**0136400000**
Mounting screw	BFSC M4X9T		100	**0103300000**
End plate / Partition plate				
dark beige	WTW EN		20	**1058800000**
Screw cover cap				
SK	SK E18 SAKS5		20	**0359310000**
Safety fuses				
	E 18/20A BL	20 A	10	**0361300000**
	E 18/25A GE	25 A	10	**0361400000**
	E 18/35A SW	35 A	10	**0361500000**
Gauge rings				
	P 18/20 D02 BL SAKS5	20 A	50	**0361800000**
	P 18/25 D02 GE SAKS5	25 A	50	**0361900000**
	P 18/35 D02 SW SAKS5	35 A	50	**0362000000**
	P 18/50 D02 WS SAKS5	50 A	50	**0362100000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**

For detailed information on other accessories and application in the online catalogue

Replacement screw cover cap, order no. 0359310000 (QTY 20) Cross-connections, see section "W series accessories".

WTR 2.5/SI — 2.5 mm²





Width/Height/Depth	5.1 x 60 x 97 mm
max. current / max. cond. cross-section	**6.3 / 4** A/mm²
Max. clamping range	**0.05...4** mm²

Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	400		300 (D)	
Rated current	6.3		10	
for wire cross-section	2.5	AWG 22...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals	CE EAC KTEA			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)			
Blade size	0.6 x 3.5 mm			

Note

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

Ordering data

Version	Type	Qty.	Order No.
400 V AC/DC, without LED	WTR 2.5/SI	25	**1763940000**
10–36 V AC/DC, with LED	WTR 2.5/SI LD 36V	25	**1763950000**

Note

UL/CSA specified for cartridge fuse 400 V; otherwise, the specified voltage range also applies to UL/CSA.

Accessories

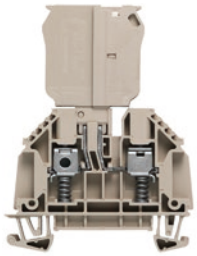
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**2749340000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

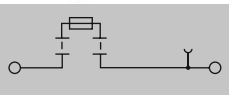
Cross-connection options for WTR 2.5, see section on W-series Accessories.

WTR 4 SI SL — 4 mm²

With fuse holder



Width/Height/Depth	mm	6.1 x 61.5 x 97
max. current / max. cond. cross-section	A/mm²	**6.3 / 6**
Max. clamping range	mm²	**0.22...6**



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	400	300 (D)	300 (D)	
Rated current A	6.3	6.3	6.3	
for wire cross-section mm²	4	AWG 22...10	AWG 22...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals				
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...6 / 1.5...6			
Flexible / Flexible with ferrule mm²	0.5...4			
Tightening torque (clamping screw for copper conductors)	/ (M 3)			
Blade size	0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
400 V AC/DC, without LED	WTR 4 SI SL	25	**7910330000**

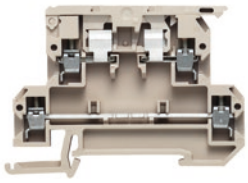
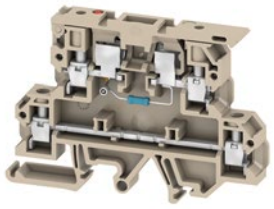
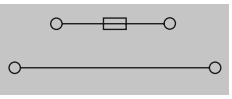
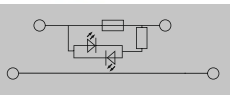
Note

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Black	WAP 2.5-10 SW		50	**1050010000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hak. Cable lugs				
	HBT 1,5 - 3,0 RT		100	**1312440000**
	HBT 2,5 - 3,0 BL		100	**1312450000**
Marking tags				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

	KDKS 1/35 DB	4 mm²	KDKS 1EN/LLC	4 mm²
	Metric fuses 5 x 20 mm			
				
Width/Height/Depth mm	8 x 73.5 x 55.6		8 x 76.5 x 54.6	
max. current / max. cond. cross-section A/mm²	**6.3 / 4**		**/ 4**	
Max. clamping range mm²	**0.22...4**		**0.22...4**	

Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500	300 (C)	300 (D)	
Rated current A	6.3	10	10	
for wire cross-section mm²	4	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals	CE GL EAC UL			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4			
Tightening torque (clamping screw for copper conductors)	/ (M 3)			
Blade size	0.6 x 3.5 mm			
Note	Note: max. conductor size = 2.5 mm² when using the cross-connector.			

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500	300 (C)	150 (C)	
Rated current A	6.3	20	25	
for wire cross-section mm²	4	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			/ 3	
UL 94 flammability rating			V-0	
Approvals	CE GL UL			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4			
Tightening torque (clamping screw for copper conductors)	/ (M 3)			
Blade size	0.6 x 3.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	KDKS 1/35 DB	50	**9532440000**
10–36 V AC/DC, with LED			
30–70 V AC/DC, with LED			
60–150 V AC/DC, with LED			
100 – 250 V AC/DC, with LED			
Note	Max. power loss (1.6 W) at the cartridge fuse limits the rated current.		

Type	Qty.	Order No.
KDKS 1EN/LLC 10-36V AC/DC	50	**9802720001**
KDKS 1EN/LLC 30-70V AC/DC	50	**9908510001**
KDKS 1EN/LLC 100-250V AC/DC	50	**9915820001**

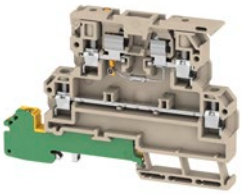
Accessories

End plate / Partition plate	Type		Qty.	Order No.
dark beige	AP KDKS1 DB		20	**9532470000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**

Type		Qty.	Order No.
AP KDKS1 DB		20	**9532470000**
G 20/0.25A/F	0.25 A	10	**0430500000**
G 20/0.50A/F	0.5 A	10	**0430600000**
G 20/1.00A/F	1 A	10	**0430700000**
G 20/2.00A/F	2 A	10	**0430900000**
DEK 5/8 MC NE WS		800	**1856740000**

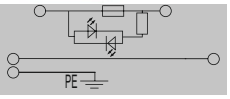
For detailed information on other accessories and application in the online catalogue

KDKS 1PE/LLC — 4 mm²



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

8 x 91 x 65
/ 4
0.33...4



IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC	UL	CSA	EN 60079-7
500	300 (C)	150 (C)	
6.3	20	25	
4	AWG 26...12	AWG 26...12	
	6 kV / 3		
	V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4
/ (M 3)
0.6 x 3.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED			
10–36 V AC/DC, with LED	KDKS 1PE/LLC 10-36V AC/DC	50	1518300000
30–70 V AC/DC, with LED	KDKS 1PE/LLC 30-70V AC/DC	50	1518330000
60–150 V AC/DC, with LED	KDKS 1PE/LLC 60-150V AC/DC	50	1518340000
100 – 250 V AC/DC, with LED	KDKS 1PE/LLC 100-250V AC/DC	50	1518370000

Note

Accessories

End plate / Partition plate	Type		Qty.	Order No.
dark beige	AP KDKS1 DB		20	9532470000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	0430500000
0.50 A fast	G 20/0.50A/F	0.5 A	10	0430600000
1.00 A fast	G 20/1.00A/F	1 A	10	0430700000
2.00 A fast	G 20/2.00A/F	2 A	10	0430900000
Marking tags				
	DEK 5/8 MC NE WS		800	1856740000

For detailed information on other accessories and application in the online catalogue

KDKS 1/35 DB

Overload and short-circuit protection

Type	Order No.
KDKS 1/35 DB	9532440000

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	23 °C*	4.0 W / 10 A*	41 °C	1.6 W / 6.3 A
In combination	50 °C*	1.6 W / 6.3 A	23 °C	1.6 W / 6.3 A

*) Values not available → The values specified were not measured but instead read from the derating curves and transferred to the "only short-circuit protection" operating mode.



Fuse cartridges

Technical data

for terminal type:
WSI 4
WSI 6
AFS 4 2C BK
ZSI 2.5
ZSI 2.5-2/2X2AN/G20
ZSI 6-2 2X2.5/G20
KDKS 1/35 DB



Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 BI)[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.1	quick-acting	G 20/0.10A/F	10	0430300000
		0.2	quick-acting	G 20/0.20A/F	10	0430400000
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
		0.63	quick-acting	G 20/0.63A/F	10	0439000000
		1	quick-acting	G 20/1.00A/F	10	0430700000
		1.6	quick-acting	G 20/1.60A/F	10	0430800000
		2	quick-acting	G 20/2.00A/F	10	0430900000
		2.5	quick-acting	G 20/2.50A/F	10	0431000000
		3.15	quick-acting	G 20/3.15A/F	10	0431100000
		4	quick-acting	G 20/4.00A/F	10	0431200000
		5	quick-acting	G 20/5.00A/F	10	0431300000
		6.3	quick-acting	G 20/6.30A/F	10	0431400000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
WSI 6



Ordering data

G-type fuse cartridges 5 x 25 with code in acc. with DIN 41576[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.25	medium time-lag	G 25/0.25A/M GE	10	0546900000
		0.5	medium time-lag	G 25/0.50A/M WS	10	0510300000
Cartridge fuse	G-Si. 5 x 25	0.8	medium time-lag	G 25/0.80A/M GR	10	0646400000
Rated breaking capacity	80 A	1	medium time-lag	G 25/1.00A/M RT	10	0265800000
		2	quick-acting	G 25/2.00A/F BL	10	0192700000
		4	quick-acting	G 25/4.00A/F BR	10	0192800000
		6.3	quick-acting	G 25/6.30A/F GN	10	0192900000
		10	medium time-lag	G 25/10.0A/M RT	10	0193100000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
WSI 4/2
WSI 6/2 GZ/DEF63



Ordering data

Fuse cartridges 1¼" x ¼" without indicator in acc. with BS 88

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.5	quick-acting	GZ 0.5A/F	10	1460580000
		1	quick-acting	GZ 1.0A/F	10	1460590000
Cartridge fuse	G-Si. 6.3 x 32	2	quick-acting	GZ 2.0A/F	10	1460600000
Rated breaking capacity	50 kA	3	quick-acting	GZ 3.0A/F	10	1460610000
		5	quick-acting	GZ 5.0A/F	10	1460620000
		7	quick-acting	GZ 7.0A/F	10	1460630000
		10	quick-acting	GZ 10.0A/F	10	1460640000
		12.5	quick-acting	GZ 12.5A/F	10	1460650000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
SAKS 2/35 DB



Ordering data

D-type fuse cartridge E 16 with indicator in acc. with DIN 49360 (Diazed)

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		10	slo-blo	E 16/10A RT TNDZ	25	0208500000
		16	slo-blo	E 16/16A GR TNDZ	25	0208600000
Cartridge fuse		20	slo-blo	E 16/20A BL TNDZ	25	0208700000
Rated breaking capacity		25	slo-blo	E 16/25A GE TNDZ	25	0208800000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
SAKS 4/35 DB



Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed)[3)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		10	slo-blo	E 14/10A RT	10	0328400000
		16	slo-blo	E 14/16A GR	10	0328500000
Cartridge fuse		2	slo-blo	E 14/2A RS	10	0137400000
Rated breaking capacity		4	slo-blo	E 14/4A BR	10	0137500000
		6	slo-blo	E 14/6A GN	10	0328300000

(M) = medium time-lag; (F) = quick-acting

Fuse cartridges

Technical data

for terminal type:
SAKS 5/35 DB



Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed)[3)]

Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.
	20	slo-blo	E 18/20A BL	10	**0361300000**
	25	slo-blo	E 18/25A GE	10	**0361400000**
Cartridge fuse	35	slo-blo	E 18/35A SW	10	**0361500000**
Rated breaking capacity	50	slo-blo	E 18/50A WS	10	**0361600000**
	63	slo-blo	E 18/63A KU	10	**0361700000**

(M) = medium time-lag; (F) = quick-acting

1) The company SIBA supplies G-type fuse cartridges 5 x 25 with indicator, also in marine engineering version for 450 V~.
2) Fuse cartridges 5 x 30 (500 V~) für SAKS 3 are avalaible from the company WICKMANN.
3) The company LINDNER supplies Neozed fuse cartridges, also in a further marine engineering version for 440 V~.
4) Fuse cartridges with the dimensions 1"x1/4" = 25.4x6.35 mm and 13/32"x11/2" = 10.3x38.1 mm are not in the programme.
5) Only for SAKS 1 and SAKS 7.

Safety fuse 10x38 mm

In photovoltaic applications, fusing of individual strings is needed. Specially designed fuses should be used as DC voltages and current are involved. AC fuses are not suitable. The range from 2-20 A and up to 1000 V DC can be covered with safety fuses, size 10 x 38 mm.



Ordering data

Type	Qty.	Order No.
FUSE 1KV DC 2A 10/38	10	**1224870000**
FUSE 1KV DC 4A 10/38	10	**1224880000**
FUSE 1KV DC 6A 10/38	10	**1224890000**
FUSE 1KV DC 10A 10/38	10	**1224910000**
FUSE 1KV DC 12A 10/38	10	**1224920000**
FUSE 1KV DC 16A 10/38	10	**1224930000**
FUSE 1KV DC 20A 10/38	10	**1224950000**

Note

Gauge rings

Technical data

for terminal type:
SAKS 4/35 DB



Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 14/2 D01 RS SAKS4	E14 / 2	2 A	pink	50	**0138000000**
P 14/4 D01 BR SAKS4	E14 / 4	4 A	brown	50	**0138100000**
P 14/6 D01 GN SAKS4	E14 / 6	6 A	green	50	**0328600000**
P 14/10 D01 RT SAKS4	E14 / 10	10 A	red	50	**0328700000**

Technical data

for terminal type:
SAKS 5/35 DB

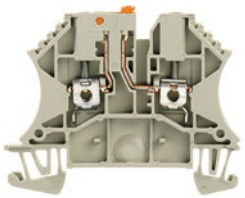


Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 18/20 D02 BL SAKS5	E18 / 20	20 A	blue	50	**0361800000**
P 18/25 D02 GE SAKS5	E18 / 25	25 A	yellow	50	**0361900000**
P 18/35 D02 SW SAKS5	E18 / 35	35 A	black	50	**0362000000**
P 18/50 D02 WS SAKS5	E18 / 50	50 A	white	50	**0362100000**

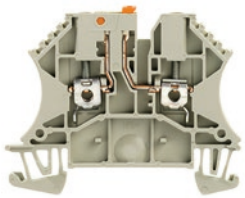
WTR 2.5 — 2.5 mm²

With clamping screw



WTR 2.5 STB — 2.5 mm²

With sockets



		WTR 2.5	WTR 2.5 STB
Width/Height/Depth	mm	5.1 x 60 x 48	5.1 x 60 x 48
max. current / max. cond. cross-section	A/mm²	**24 / 4**	**24 / 4**
Max. clamping range	mm²	**0.05...4**	**0.05...4**





Technical data

Rated data		WTR 2.5	WTR 2.5 STB
Rated voltage of feed-through terminal	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
for wire cross-section	mm²	500 / 600 / 300	500 / 300 / 300
Rated impulse withstand voltage / Pollution severity		24 / 20 / 10	24 / 20 / 10
Gauge to IEC 60947-1 / UL 94 flammability rating		2.5 / AWG 30...12 / AWG 26...12	2.5 / AWG 30...12 / AWG 26...12
Number of operating cycles		6 kV / 3	6 kV / 3
Approvals		A3 / V-0	A3 / V-0
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	**Rated connection**	**Rated connection**
Flexible / Flexible with ferrule	mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Tightening torque (clamping screw for copper conductors)		0.5...4	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm/-	/ (M 2.5)	/ (M 3)
		10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		2.5 mm² conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).	2.5 mm² conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).

Ordering data

Version	Type	Qty.	Order No.
dark beige	WTR 2.5	100	**1855610000**
Blue	WTR 2.5 BL	100	**8731640000**
without isolator, dark beige	WTR 2.5/O.TNHE	100	**8731700000**

Version	Type	Qty.	Order No.
dark beige	WTR 2.5 STB2.3	100	**1855620000**
Blue	WTR 2.5 STB2.3 BL	100	**8731660000**
without isolator, dark beige	WTR 2.5/O.TNHE STB2.3	100	**8731670000**

Accessories

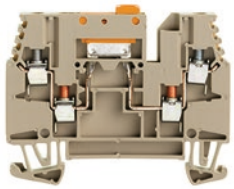
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
2-pole				
10-pole				
2-pole, yellow				
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige				
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**2749340000**
Testing / Checking				
Test adapter	WTA 6 WTR2.5	6 A	25	**1632380000**
Test plug				
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	WS 8/5 MM WS		800	**2007150000**
	DEK 5/5 MM WS		800	**2007110000**

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
2-pole				
10-pole				
2-pole, yellow				
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige				
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**2749340000**
Testing / Checking				
Test adapter				
Test plug	PS 2.3 RT		20	**0180400000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	WS 8/5 MM WS		800	**2007150000**
	DEK 5/5 MM WS		800	**2007110000**

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Special cross-connector, see section on W-series accessories.

WTR 2.5/ZZ — 2.5 mm²

Twin connection



5.1 x 60 x 46.5
16 / 4
0.13...4

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

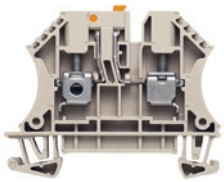
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 3)
7 / 0.6 x 3.5 mm

Type		Qty.	Order No.
WTR 2.5/ZZ		50	**1039900000**
WTR 2.5/ZZ BL		50	**1039980000**
WTR 2.5/ZZ 0.TNHE		50	**1774670000**
2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).			
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
WAP WTR2.5/ZZ		20	**1074600000**
WEW 35/2		50	**1061200000**
SIHA 1/G20	6.3 A	25	**9537550000**
SIHA 1/G20 10-36V	6.3 A	25	**9537560000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
WS 8/5 MM WS		800	**2007150000**
DEK 5/5 MM WS		800	**2007110000**

Cross-connections, see section "W series accessories".

WTR 4 — 4 mm²

With clamping screw



6.1 x 60 x 48
32 / 6
0.22...6

IEC	UL	CSA	EN 60079-7
500	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	A4 / V-0		

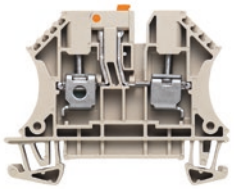
Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...2.5
/ (M 3)
13 / 0.6 x 3.5 mm

Type		Qty.	Order No.
WTR 4		50	**7910180000**
WTR 4 BL		50	**7910190000**
WTR 4/0.TNHE		50	**2436380000**
ZQV 4N/10 GE	32 A	20	**1758260000**
ZQV 4N/2 GE	32 A	60	**1758250000**
WAP 2.5-10		50	**1050000000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
SDS 0.6X3.5X100		1	**2749340000**
WS 12/5 MC NE WS		720	**1609860000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 MM WS		600	**2007120000**

Cross-connections, see section "W series accessories".

WTR 4 STB — 4 mm²

With socket



6.1 x 60 x 48
32 / 6
0.22...6

IEC	UL	CSA	EN 60079-7
500	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...2.5
/ (M 3)
13 / 0.6 x 3.5 mm

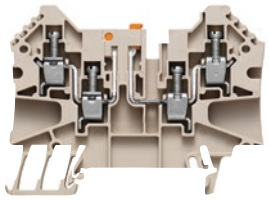
Type		Qty.	Order No.
WTR 4 STB		50	**7910210000**
WTR 4 STB BL		50	**7910220000**
WTR 4 STB/0.TNHE		50	**2436390000**
ZQV 4N/10 GE	32 A	20	**1758260000**
ZQV 4N/2 GE	32 A	60	**1758250000**
WAP 2.5-10		50	**1050000000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
SDS 0.6X3.5X100		1	**2749340000**
PS 2.3 RT		20	**0180400000**
WS 12/5 MC NE WS		720	**1609860000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 MM WS		600	**2007120000**

Cross-connections, see section "W series accessories".

Screw connection with clamping yoke technology (W-Series)
Test-disconnect terminal blocks

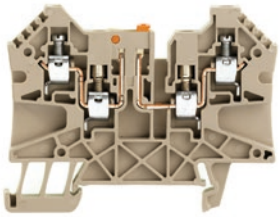
WTR 4/ZZ — 4 mm²

Twin connection with clamping screw

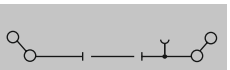


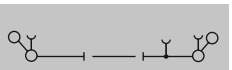
WTR 4/ZZ STB — 4 mm²

Twin connection with socket



		WTR 4/ZZ	WTR 4/ZZ STB
Width/Height/Depth	mm	6.1 x 70 x 53	6.1 x 70 x 53
max. current / max. cond. cross-section	A/mm²	27 / 6	27 / 6
Max. clamping range	mm²	0.05...6	0.05...6





Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500	600	600	
Rated current	A	27	25	25	
for wire cross-section	mm²	4	AWG 30...10	AWG 30...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0		
Number of operating cycles					
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²				
Flexible / Flexible with ferrule	mm²				
Tightening torque (clamping screw for copper conductors)					
Stripping length / Blade size	mm/-				

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500	600	600	
Rated current	A	27	25	25	
for wire cross-section	mm²	4	AWG 30...10	AWG 30...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0		
Number of operating cycles					
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²				
Flexible / Flexible with ferrule	mm²				
Tightening torque (clamping screw for copper conductors)					
Stripping length / Blade size	mm/-				

Note

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...2.5
/ (M 3)
10 / 0.6 x 3.5 mm

Note

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...2.5
/ (M 3)
10 / 0.6 x 3.5 mm

Ordering data

Version	Type	Qty.	Order No.
dark beige	WTR 4/ZZ	50	1905090000
Blue	WTR 4/ZZ BL	50	1193450000
without isolator, dark beige	WTR 4/ZZ/0.TNHE	50	2436420000
Note			

Type	Qty.	Order No.
WTR 4/ZZ STB	50	1905100000
WTR 4/ZZ STB BL	50	1231330000
WTR 4/ZZ STB/0.TNHE	50	2436360000

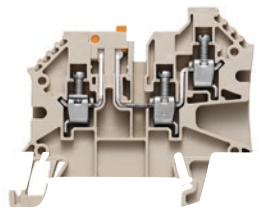
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	1527930000
10-pole	ZQV 4N/10	32 A	20	1528090000
End plate / Partition plate				
dark beige	WAP WDU/WTR4/ZZ		50	1905150000
dark beige				
End bracket				
dark beige	WEW 35/2		50	1061200000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR	22 A	50	1878570000
With 1N4007 diode	BEST/D	1 A	50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Testing / Checking				
Test plug				
Marking tags				
	WS 12/5 MC NE WS		720	1609860000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000
Hak. Cable lugs				
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".			

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		50	1061200000
SIHA 3/G20	6.3 A	25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR	22 A	50	1878570000
BEST/D	1 A	50	1878560000
TNST	20 A	50	1833090000
SDS 0.6X3.5X100		1	2749340000
PS 2.3 RT		20	0180400000
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
Cross-connections, see section "W series accessories".			

WTR 4/ZR — 4 mm²

Supplementary connection, right, with clamping screw



6.1 x 63.5 x 53
27 / 6
0.05...6



IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...2.5
/ (M 3)
10 / 0.6 x 3.5 mm

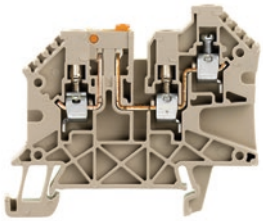
Type		Qty.	Order No.
WTR 4/ZR		50	1905080000
WTR 4/ZR/O.TNHE		50	2436400000

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		50	1061200000
SIHA 3/G20	6.3 A	25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR	22 A	50	1878570000
BEST/D	1 A	50	1878560000
TNST	20 A	50	1833090000
SDS 0.6X3.5X100		1	2749340000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section "W series accessories".

WTR 4/ZR STB — 4 mm²

Supplementary connection with socket



6.1 x 63.5 x 53
27 / 6
0.05...6



IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...2.5
/ (M 3)
10 / 0.6 x 3.5 mm

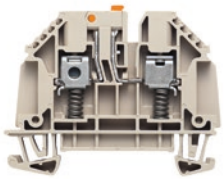
Type		Qty.	Order No.
WTR 4/ZR STB		50	1905110000
WTR 4/ZR STB/O.TNHE		50	2436410000

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		50	1061200000
SIHA 3/G20	6.3 A	25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR	22 A	50	1878570000
BEST/D	1 A	50	1878560000
TNST	20 A	50	1833090000
SDS 0.6X3.5X100		1	2749340000
PS 2.3 RT		20	0180400000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section "W series accessories".

WTR 4 SL — 4 mm²

With clamping screw



6.1 x 61.5 x 46.5
32 / 6
0.22...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
630	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 2		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4
/ (M 3)
13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Type		Qty.	Order No.
WTR 4 SL		50	7910270000
WTR 4 SL BL		50	7910280000

With pollution severity degree 2, the voltage can be raised to 630 V.

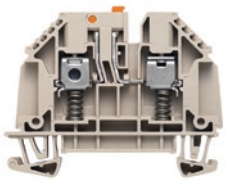
Type		Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		50	1061200000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000

Cross-connections, see section "W series accessories".

Screw connection with clamping yoke technology (W-Series)
Test-disconnect terminal blocks

WTR 4 SL STB — 4 mm²

With socket

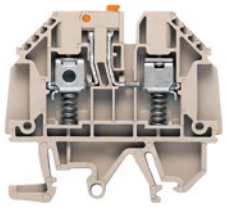


Width/Height/Depth	6.1 x 61.5 x 46.5
max. current / max. cond. cross-section	**32 / 6**
Max. clamping range	**0.22...6**



WTR 4 SL/EN — 4 mm²

with clamping screw



Width/Height/Depth	6.1 x 61.5 x 51
max. current / max. cond. cross-section	**32 / 6**
Max. clamping range	**0.22...6**



Technical data

Rated data		WTR 4 SL STB	WTR 4 SL/EN
Rated voltage of feed-through terminal	V	500	630
Rated current	A	32	32
for wire cross-section	mm²	4	4
Rated impulse withstand voltage / Pollution severity		6 kV / 3	6 kV / 2
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0	A4 / V-0
Number of operating cycles			
Approvals			

IEC 60947-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	

IEC 60947-1

IEC	UL	CSA	EN 60079-7
630	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	

Clamped conductors (H05V/H07V)		WTR 4 SL STB	WTR 4 SL/EN
Solid / Stranded	mm²	0.5...6 / 1.5...6	0.5...6 / 1.5...6
Flexible / Flexible with ferrule	mm²	0.5...4	0.5...4
Tightening torque (clamping screw for copper conductors)		/ (M 3)	/ (M 3)
Stripping length / Blade size	mm/-	13 / 0.6 x 3.5 mm	13 / 0.6 x 3.5 mm

Note	WTR 4 SL STB	WTR 4 SL/EN
	UL/CSA 600 V possible with end plate WAP or WTW partition plate.	UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Ordering data

Version	WTR 4 SL STB	Qty.	Order No.
dark beige	WTR 4 STB SL	50	7910300000
Blue	WTR 4 STB SL BL	50	7910310000

Version	WTR 4 SL/EN	Qty.	Order No.
	WTR4 SL/EN	50	7910360000
	WTR4 SL/EN BL	50	7910370000

Note (WTR 4 SL/EN): With pollution severity degree 2, the voltage can be raised to 630 V.

Accessories

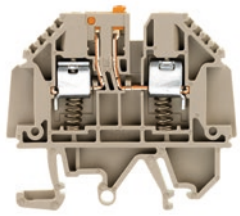
Plug-in cross-connection	WTR 4 SL STB	Qty.	Order No.
2-pole	ZQV 4N/2 32 A	60	1527930000
10-pole	ZQV 4N/10 32 A	20	1528090000
End plate / Partition plate			
dark beige	WAP 2.5-10	50	1050000000
dark beige	WAP 16+35 WTW 2.5-10	20	1050100000
End bracket			
dark beige	WEW 35/2	50	1061200000
Hak. Cable lugs			
	HBT 1,5 - 3,0 RT	100	1312440000
	HBT 2,5 - 3,0 BL	100	1312450000
Testing / Checking			
Test plug	PS 2.3 RT	20	0180400000
Marking tags			
	DEK 5/6 MC NE WS	1000	1609820000
	WS 12/6 MC NE WS	600	1609900000
	DEK 5/6 MM WS	600	2007120000

Plug-in cross-connection	WTR 4 SL/EN	Qty.	Order No.
	ZQV 4N/2 32 A	60	1527930000
	ZQV 4N/10 32 A	20	1528090000
	WAP 2.5-10	50	1050000000
	WAP 16+35 WTW 2.5-10	20	1050100000
	WEW 35/2	50	1061200000
	HBT 1,5 - 3,0 RT	100	1312440000
	HBT 2,5 - 3,0 BL	100	1312450000
	DEK 5/6 MC NE WS	1000	1609820000
	WS 12/6 MC NE WS	600	1609900000
	DEK 5/6 MM WS	600	2007120000

For detailed information on other accessories and application in the online catalogue	WTR 4 SL STB	WTR 4 SL/EN
	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WTR 4 STB SL/EN — 4 mm²

With socket



6.1 x 61.5 x 51
32 / 6
0.22...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4
/ (M 3)
13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

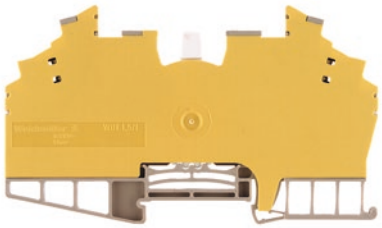
Type	Qty.	Order No.
WTR4 SL/EN STB	50	**7910390000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
WAP 2.5-10		50	**1050000000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		50	**1061200000**
HBT 1,5 - 3,0 RT		100	**1312440000**
HBT 2,5 - 3,0 BL		100	**1312450000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MM WS		600	**2007120000**

Cross-connections, see section "W series accessories".

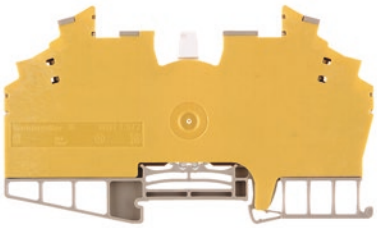
WDT 1.5/1 — 1.5 mm²

Disconnection lower level

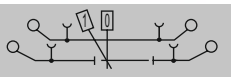


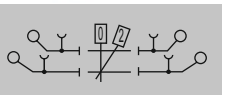
WDT 1.5/2 — 1.5 mm²

Disconnection both levels



		WDT 1.5/1	WDT 1.5/2
Width/Height/Depth	mm	6.4 x 112 x 66	6.4 x 112 x 66
max. current / max. cond. cross-section	A/mm²	**10 / 2.5**	**10 / 2.5**
Max. clamping range	mm²	**0.13...2.5**	**0.13...2.5**





Technical data

Rated data		WDT 1.5/1	WDT 1.5/2
Rated voltage of feed-through terminal	V	250	250
Rated current	A	10	10
for wire cross-section	mm²	1.5	1.5
Rated impulse withstand voltage / Pollution severity		4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0	A2 / V-0
Number of operating cycles			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...2.5 / 1.5...2.5	0.5...2.5 / 1.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Tightening torque (clamping screw for copper conductors)		/ (M 2.5)	/ (M 2.5)
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Note

WDT 1.5/1

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	

CE SEV EAC cULus

Rated connection
0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
/ (M 2.5)
10 / 0.6 x 3.5 mm

WDT 1.5/2

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	

CE SEV EAC cULus

Rated connection
0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
/ (M 2.5)
10 / 0.6 x 3.5 mm

Ordering data

Version	WDT 1.5/1	WDT 1.5/2
	dark beige	dark beige

Note

Type	Qty.	Order No.
WDT 1.5/1 DB/GE	25	**1015800000**

Type	Qty.	Order No.
WDT 1.5/2 DB/GE	25	**1015900000**

Accessories

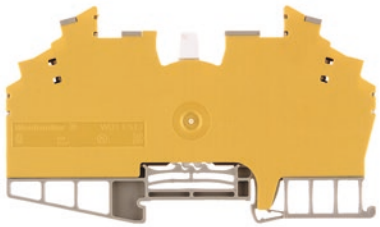
End bracket	Type	Qty.	Order No.
dark beige	WEW 35/2	50	**1061200000**
Screwdriver			
Standard	SDS 0.6X3.5X100	1	**2749340000**
Locking lever			
	RAHE LN WDT1.5	10	**1865410000**
Marking tags			
	DEK 5/6.5 MC NE WS	900	**1609840000**
	WS 8/5 MC NE WS	720	**1640740000**

End bracket	Type	Qty.	Order No.
dark beige	WEW 35/2	50	**1061200000**
Screwdriver			
Standard	SDS 0.6X3.5X100	1	**2749340000**
Locking lever			
	RAHE LN WDT1.5	10	**1865410000**
Marking tags			
	DEK 5/6.5 MC NE WS	900	**1609840000**
	WS 8/5 MC NE WS	720	**1640740000**

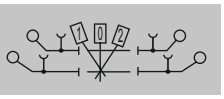
For detailed information on other accessories and application in the online catalogue

WDT 1.5/3 — 1.5 mm²

Disconnection lower level or both levels



6.4 x 112 x 66
10 / 2.5
0.13...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
	4 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
/ (M 2.5)
10 / 0.6 x 3.5 mm

WDT 1.5/3 BL/HB Order no. 1016160000 flammability rating V2

Type	Qty.	Order No.
WDT 1.5/3 DB/GE	25	**1016000000**

Type	Qty.	Order No.
WEW 35/2	50	**1061200000**
SDS 0.6X3.5X100	1	**2749340000**
RAHE LN WDT1.5	10	**1865410000**
DEK 5/6.5 MC NE WS	900	**1609840000**
WS 8/5 MC NE WS	720	**1640740000**

Separate potentials simply and safely in confined spaces

Klippon® Connect test-disconnect terminal blocks

In marshalling cabinets of industrial control systems, signal lines from the field are often connected with terminal blocks. These are known as a robust, simple, and tidy connection option. However, their use requires sufficient current protection and a reliable disconnection circuit.

Our WDTR test-disconnect terminal blocks enable a safe and simple electrical isolation in confined spaces. Two potentials can be operated with only one terminal block, resulting in space-savings of 50%. The multifunctional disconnect section can be converted into a fuse terminal or equipped with a component plug to enable the integration of electronic components.

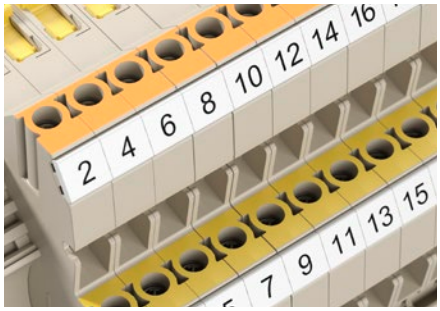
Your special advantages:

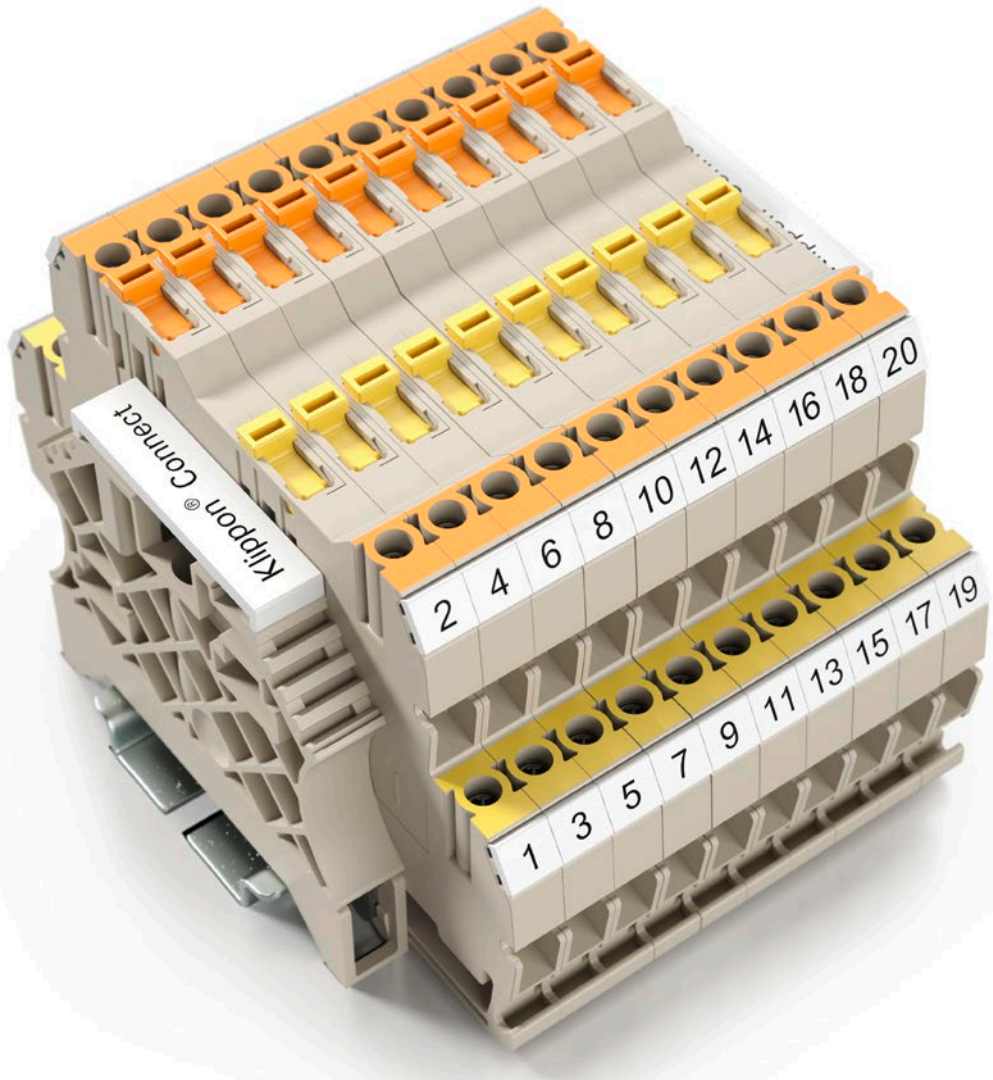
- Separation of two different potentials on one terminal block
- Maximum safety due to colour-contrasted disconnect levers
- Combination foot for maximum flexibility on TS 32 and TS 35 mounting rails
- Multifunctional separation area for individual applications

Space-saving on the mounting rail
The design of the terminal block makes it possible to switch two potentials with only one terminal. This results in a space-savings of 50 % compared to conventional superstructures.

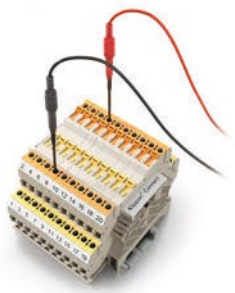


Increased clarity and security
The two potentials are marked in different colours and assigned to the connection areas. This reduces the risk of misconnections and guarantees maximum safety.

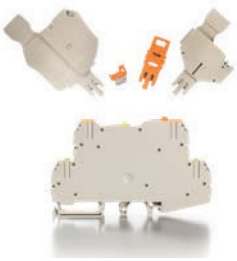




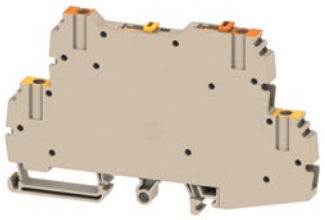
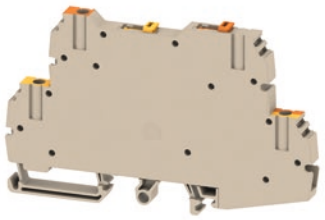
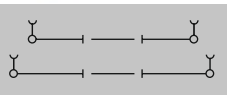
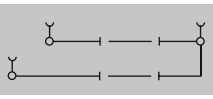
Time-saving in testing and revision
Easily accessible test facilities in front of and behind the clamping point allow the system to be tested quickly and safely. A 2.0 standard test adapter can also be mounted on the screw heads in wired condition.



Individual application solutions
The multifunctional disconnection area allows either a fuse holder or a component plug to be accommodated. Depending on the application, it can be used as a fuse terminal or as a terminal block with electronic components.



Screw connection with clamping yoke technology (W-Series)
Test-disconnect terminal blocks

	WDTR 2.5	2.5 mm²	WDTR 2.5/WE	2.5 mm²
				
Width/Height/Depth mm	6.15 x 94 x 65		6.15 x 94 x 65	
max. current / max. cond. cross-section -/mm²	/ 4		/ 4	
Max. clamping range mm²	0.05...4		0.05...4	

Technical data

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500	150		
Rated current	A	17	20		
for wire cross-section	mm²	2.5	AWG 30...12		
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Number of operating cycles					
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)					
Stripping length / Blade size	mm/-	8 / 0.6 x 3.5 mm			
Note					

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500	150	300	
Rated current	A	17	20	17	
for wire cross-section	mm²	2.5	AWG 22...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Number of operating cycles					
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)					
Stripping length / Blade size	mm/-	8 / 0.6 x 3.5 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDTR 2.5	25	2456000000
without STB	WDTR 2.5 0.STB	25	2456030000
Blue	WDTR 2.5 BL	25	2456010000
Note			

Type	Qty.	Order No.
WDTR 2.5/WE	25	2456020000

Accessories

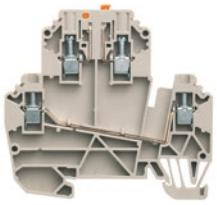
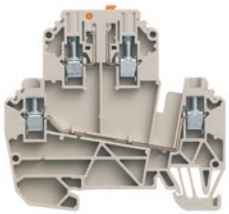
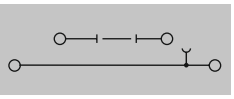
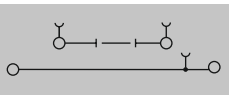
Cross-connector	Type		Qty.	Order No.
black	VQB 1.5/50 SW		5	1635120000
red	VQB 1.5/50 RT		5	1633290000
blue	VQB 1.5/50 BL		5	1633280000
End bracket				
dark beige	WEW 35/2		50	1061200000
black	WEW 35/2 SW		100	1061210000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
35 - 70 V AC/DC, red LED	SIHA 3/G20/LD 35-70V		25	7921580000
60 - 150 V AC/DC, red LED	SIHA 3/G20/LD 60-150V		25	7921590000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
orange	TNST OR	20 A	50	2463540000
Module connector (max, 250 V)				
without fittings	WSD 2.5/SCAN WTR2.5		25	1058760000
With 1N4007 diode	BEST		50	1833100000
with wire jumper	BEST/D		50	1878560000
Marking tags	BEST/DRBR		50	1878570000
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/6 MC NE WS		1000	1609820000

Cross-connector	Type		Qty.	Order No.
black	VQB 1.5/50 SW		5	1635120000
red	VQB 1.5/50 RT		5	1633290000
blue	VQB 1.5/50 BL		5	1633280000
End bracket				
dark beige	WEW 35/2		50	1061200000
black	WEW 35/2 SW		100	1061210000
Screwdriver				
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
35 - 70 V AC/DC, red LED	SIHA 3/G20/LD 35-70V		25	7921580000
60 - 150 V AC/DC, red LED	SIHA 3/G20/LD 60-150V		25	7921590000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
orange	TNST OR	20 A	50	2463540000
Module connector (max, 250 V)				
without fittings	WSD 2.5/SCAN WTR2.5		25	1058760000
With 1N4007 diode	BEST		50	1833100000
with wire jumper	BEST/D		50	1878560000
Marking tags	BEST/DRBR		50	1878570000
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/6 MC NE WS		1000	1609820000

For detailed information on other accessories and application in the online catalogue



Screw connection with clamping yoke technology (W-Series)
Test-disconnect terminal blocks

	WDK 2.5/TR-DU	2.5 mm²	WDK 2.5/TR-DU/STB	2.5 mm²
				
Width/Height/Depth mm	5.1 x 72.5 x 67.5		5.1 x 72.5 x 67.5	
max. current / max. cond. cross-section -/mm²	/ 4		/ 4	
Max. clamping range mm²	0.5...4		0.5...4	

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500		300	
Rated current	A	24		20	
for wire cross-section	mm²	2.5		AWG 30...12	
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A2 / V-0	
Number of operating cycles					
Approvals		CE SB EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)		/ (M 3)			
Stripping length / Blade size	mm/-	8 / 0.6 x 3.5 mm			
Note					

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500		300	
Rated current	A	24		20	
for wire cross-section	mm²	2.5		AWG 30...12	
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A2 / V-0	
Number of operating cycles					
Approvals		CE SB EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)		/ (M 3)			
Stripping length / Blade size	mm/-	8 / 0.6 x 3.5 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 2.5/TR-DU	50	1247290000
without isolator, dark beige	WDK 2.5/TR-DU/O TNHE	50	1833600000
Note			

Version	Type	Qty.	Order No.
dark beige	WDK 2.5/TR-DU STB	50	1247310000
Note			

Accessories

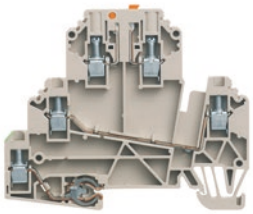
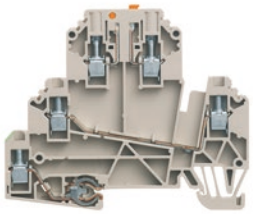
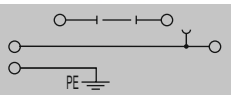
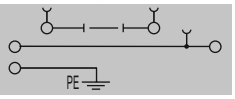
Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK 2.5N/TR-DU		50	1839850000
End bracket				
dark beige	WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D	1 A	50	1878560000
with wire jumper	BEST/DRBR	22 A	50	1878570000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Testing / Checking				
Test plug				
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK 2.5N/TR-DU		50	1839850000
End bracket				
dark beige	WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D	1 A	50	1878560000
with wire jumper	BEST/DRBR	22 A	50	1878570000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Testing / Checking				
Test plug	PS 2.3 RT		20	0180400000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

	WDK 2.5/TR-DU-PE	2.5 mm²	WDK 2.5/TR-DU-PE/STB	2.5 mm²
				
Width/Height/Depth mm	5.1 x 80.5 x 67.5		5.1 x 80.5 x 67.5	
max. current / max. cond. cross-section -/mm²	/ 4		/ 4	
Max. clamping range mm²	0.5...4		0.5...4	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	500				500			
Rated current A	24				24			
for wire cross-section mm²	2.5				2.5			
Rated impulse withstand voltage / Pollution severity			8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0				A2 / V-0	
Number of operating cycles								
Approvals	CE EAC				CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**				**Rated connection**			
Solid / Stranded mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)	/ (M 3)				/ (M 3)			
Stripping length / Blade size mm/-	8 / 0.6 x 3.5 mm				8 / 0.6 x 3.5 mm			
Note								

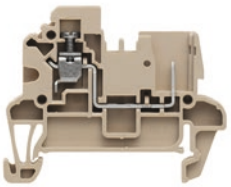
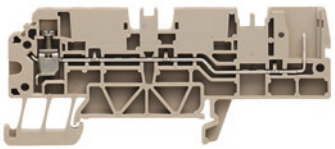
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WDK 2.5/TR-DU-PE	50	1247420000	WDK 2.5/TR-DU-PE STB	50	1247430000
without isolator, dark beige	WDK 2.5/TR-DU-PE/0 TNHE	50	1833640000			
Note						

Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Screwable cross-connection								
2-pole	WQV 2.5/2	32 A	50	1053660000	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate								
dark beige	WAP WDK 2.5N/TR-DU		50	1839850000	WAP WDK 2.5N/TR-DU		50	1839850000
End bracket								
dark beige	WEW 35/1		50	1059000000	WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm								
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)								
without fittings	BEST		50	1833100000	BEST		50	1833100000
With 1N4007 diode	BEST/D	1 A	50	1878560000	BEST/D	1 A	50	1878560000
with wire jumper	BEST/DRBR	22 A	50	1878570000	BEST/DRBR	22 A	50	1878570000
Disconnect plug								
removable, as replacement for release lever	TNST	20 A	50	1833090000	TNST	20 A	50	1833090000
Screwdriver								
Standard	SDS 0.6X3.5X100		1	2749340000	SDS 0.6X3.5X100		1	2749340000
Testing / Checking								
Test plug					PS 2.3 RT		20	0180400000
Marking tags								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

	WT 2.5	WDT 2.5 BT
	2.5 mm²	2.5 mm²
		
Width/Height/Depth mm	5.1 x 50.5 x 40	5.1 x 85.5 x 36
max. current / max. cond. cross-section A/mm²	**27 / 4** 	**27 / 4** 
Max. clamping range mm²	**0.13...4**	**0.13...4**

Technical data

Rated data	WT 2.5	WDT 2.5 BT
	IEC 60947-7-1, IEC 61984	IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 16...12	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 2.5)
7 / 0.6 x 3.5 mm

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 2.5)
7 / 0.6 x 3.5 mm

Note

Ordering data

	Type	Qty.	Order No.
	WT 2.5	50	1305330000
Plug-in connector	Type	Qty.	Order No.
	WP 2.5/1AN/1	50	1305270000
	WP 2.5/1AN/10	50	1305280000
Note			

	Type	Qty.	Order No.
	WDT 2.5 BT	50	1305310000
Plug-in connector	Type	Qty.	Order No.
	WP 2.5/1AN/1	50	1305270000
	WP 2.5/1AN/10	50	1305280000
Note			

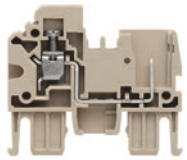
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
	WAP WDT 2.5 AT		50	1305250000
Cover				
End bracket				
dark beige	WEW 35/2		50	1061200000
Strain relief				
	APGSR 2.5/4		25	2457580000
Coding				
	APGCE		50	1514490000
Interlock				
	APGLE 2.5/4		25	2457570000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Plug				
dark beige				
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
Vertical jumpers				
1-pole				

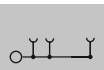
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
	WAP WDT 2.5 BT		50	1305240000
Cover				
	AH WDT 2.5 BT		50	1305230000
End bracket				
	WEW 35/2		50	1061200000
Strain relief				
	APGSR 2.5/4		25	2457580000
Coding				
	APGCE		50	1514490000
Interlock				
	APGLE 2.5/4		25	2457570000
Screwdriver				
	SDS 0.6X3.5X100		1	2749340000
Plug				
	WDT 2.5 AT	24 A	50	1305320000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
Vertical jumpers				

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WDT 2.5 AT — 2.5 mm²



5.1 x 42 x 24.6
27 / 4
0.13...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A4 / V-0		

CE GL cULus EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 2.5)
7 / 0.6 x 3.5 mm

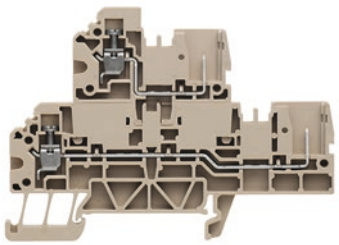
Type	Qty.	Order No.
WDT 2.5 AT	50	**1305320000**

Type	Qty.	Order No.
WP 2.5/1AN/1	50	**1305270000**
WP 2.5/1AN/10	50	**1305280000**

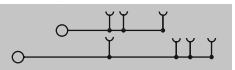
Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDT 2.5 AT		50	**1305250000**
APGSR 2.5/4		25	**2457580000**
APGCE		50	**1514490000**
APGLE 2.5/4		25	**2457570000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**

Cross-connections, see section "W series accessories".

WDT 2.5/2 — 2.5 mm²



5.1 x 85.5 x 60.5
27 / 4
0.13...4



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A4 / V-0		

CE GL cULus EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 2.5)
7 / 0.6 x 3.5 mm

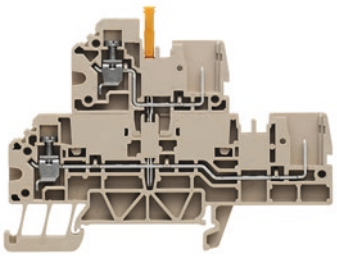
Type	Qty.	Order No.
WDT 2.5/2	50	**1305290000**

Type	Qty.	Order No.
WP 2.5/1AN/1	50	**1305270000**
WP 2.5/1AN/10	50	**1305280000**

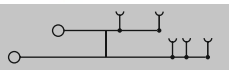
Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDT 2.5/2		50	**1305260000**
WEW 35/2		50	**1061200000**
APGSR 2.5/4		25	**2457580000**
APGCE		50	**1514490000**
APGLE 2.5/4		25	**2457570000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
ZVQ 2.5/1.5	24 A	50	**1720700000**

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layers. Cross-connections, see section "W series accessories".

WDT 2.5/2 V — 2.5 mm²



5.1 x 85.5 x 60.5
27 / 4
0.13...4



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20.1	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A4 / V-0		

CE GL cULus EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 2.5)
7 / 0.6 x 3.5 mm

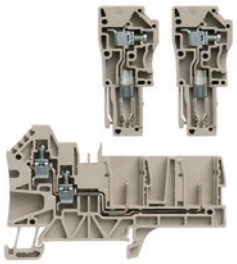
Type	Qty.	Order No.
WDT 2.5/2 V	50	**1305300000**

Type	Qty.	Order No.
WP 2.5/1AN/1	50	**1305270000**
WP 2.5/1AN/10	50	**1305280000**

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDT 2.5/2		50	**1305260000**
WEW 35/2		50	**1061200000**
APGSR 2.5/4		25	**2457580000**
APGCE		50	**1514490000**
APGLE 2.5/4		25	**2457570000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**

Cross-connections, see section "W series accessories".

WT4 4 AN/2 — 4 mm²



Width/Height/Depth	mm	6.1 x 84.3 x 50
max. current / max. cond. cross-section	-/mm²	/ 6
Max. clamping range	mm²	0.5...6



Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600		
Rated current A	32	30		
for wire cross-section mm²	4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...6 / 0.5...6	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	
Tightening torque (clamping screw for copper conductors)		
Stripping length / Blade size mm/-	9 / 0.6 x 3.5 mm	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	WT4 4AN/2	50	1107680000

Note

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 4N/2	32 A	60	1527930000
10-pole	ZQV 4N/10	32 A	20	1528090000
End plate / Partition plate				
dark beige	WAP WT4/4AN/2		50	1107780000
End bracket				
dark beige	WEW 35/2		50	1061200000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP4		25	1855250000
Coding element	KOSF ZT4		50	1856860000
Strain relief	ZZE ZP4		25	1855260000
Plug-in connector				
	WP4/1AN/1	32 A	50	1107790000
	WP4/1AN/1 ZA	32 A	50	1108490000
	WP4/1AN/10	32 A	10	1107800000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".



Single plates for individual assembly

WeiCoS individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on-site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).

WeiCoS plug

- Single plates, plug ZP 2.5/1AN
- Marking option

Ordering data
2.5 mm²
4.0 mm²
Note

WP 2.5/1AN/1

Start plate



Type	Qty.	Order No.
WP 2.5/1AN/1	50	**1305270000**
WP4/1AN/1	50	**1107790000**

WP 2.5/1AN ZA 0.RA

Middle plate or end plate



Type	Qty.	Order No.
WP 2.5/1AN/1 ZA 0.RA	50	**1351000000**

WP 2.5/1AN ZA

Middle plate or end plate



Type	Qty.	Order No.
WP 2.5/1AN/1 ZA	50	**1350990000**
WP4/1AN/1 ZA	50	**1108490000**

Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data
2.5 mm²
4.0 mm²
Note

Coding

Coding elements



Type	Qty.	Order No.
APGCE	50	**1514490000**
KOSF ZT4	50	**1856860000**

Application



Interlock

- APGLE to interlock with the terminal block
- APGLE interlock, plug – socket

Ordering data
2.5 mm² / 4 mm²
Note

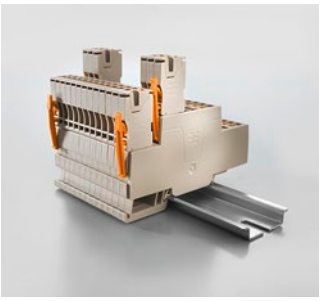
APGLE

Locking element



Type	Qty.	Order No.
APGLE 2.5/4	25	**2457570000**

Application APGLE



Strain reliefs / Protective cover

- APGSR Strain relief transmits mechanical forces to the plastic housing and protects the contact point

Ordering data
2.5 mm²
2.5 mm² / 4 mm²
2.5 mm² / 4 mm²
2.5 mm² / 4 mm²
4.0 mm²
Note

APGSR

Strain reliefs



Type	Qty.	Order No.
APGSR 2.5/4	25	**2457580000**
APGSR 2.5/4 - 4P	25	**2457590000**
APGSR 2.5/4 - 8P	25	**2457600000**
ZVR ZP4	25	**1855250000**

ZAD ZT / ZPS

Protective cover



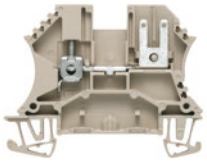
Type	Qty.	Order No.
ZAD ZT/ZPS2.5	25	**1861030000**

Application APGSR



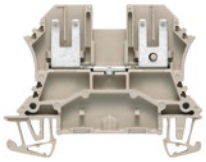
WDU 2.5 F — 2.5 mm²

Spade connection right

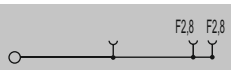
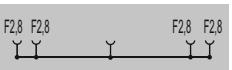


WDU 2.5 FF 2*2.8 — 1 mm²

Spade connection left and right



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

WDU 2.5 F	WDU 2.5 FF 2*2.8
5.1 x 60 x 46.25	5.1 x 60 x 46.25
12 / 4	**12 / 1**
0.13...4	**...1**
	
IEC 61210, In accordance with IEC 60947-7-1	IEC 61210, In accordance with IEC 60947-7-1

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	
Rated current A	12	16	10	
for wire cross-section mm²	2.5	AWG 22...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	
Rated current A	12	16	10	
for wire cross-section mm²	1	AWG 22...14	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...4 / 1.5...4	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Tightening torque (clamping screw for copper conductors)		
Stripping length / Blade size mm/-		

Note

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Note

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 2.5 F 2X2.8	100	**1021800000**

Note

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Version	Type	Qty.	Order No.
dark beige	WDU 2.5 FF 2X2.8	100	**1021900000**

Technical data refer to a 2.8 mm cable lug connector with 1 mm² conductor.

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Cover				
With lightning flash symbol	WAD 4 GE BED		50	**1072000000**
Blank, white	WAD 4 WS		50	**1072100000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

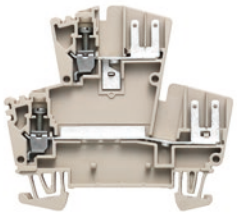
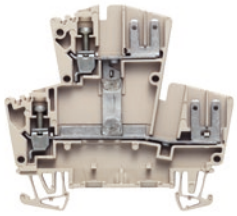
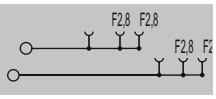
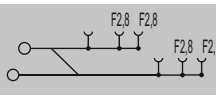
Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Cover				
With lightning flash symbol	WAD 4 GE BED		50	**1072000000**
Blank, white	WAD 4 WS		50	**1072100000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".



	WDK 2.5 F	WDK 2.5 FV
	2.5 mm²	2.5 mm²
	Spade connection right	Spade connection right, both levels at one potential
		
Width/Height/Depth mm	5.1 x 69.5 x 62.5	5.1 x 69.5 x 62.5
max. current / max. cond. cross-section A/mm²	12 / 4	12 / 4
Max. clamping range mm²	0.13...4	0.13...4
		

Technical data

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	300	300	
Rated current A	12	10	10	
for wire cross-section mm²	2.5	AWG 22...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)		
	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...4 / 1.5...4	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Note	
	IEC 61210, In accordance with IEC 60947-7-1
	With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage V	400		300	
Rated current A	12		10	
for wire cross-section mm²	2.5		AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals				

Clamped conductors (H05V/H07V)		
	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...4 / 1.5...4	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Note
IEC 61210, In accordance with IEC 60947-7-1
With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 2.5 F	50	1021600000
Blue	WDK 2.5 F BL	50	1021680000
Note	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Version	Type	Qty.	Order No.
	WDK 2.5 FV	50	1022400000
Note	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK2.5		20	1059100000
Blue	WAP WDK2.5 BL		20	1059180000
dark beige	WTW EN		20	1058800000
End bracket				
dark beige	WEW 35/2		50	1061200000
Cover				
With lightning flash symbol	WAD 4 GE BED		50	1072000000
Blank, white	WAD 4 WS		50	1072100000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000

For detailed information on other accessories and application in the online catalogue
Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK2.5		20	1059100000
Blue	WAP WDK2.5 BL		20	1059180000
dark beige	WTW EN		20	1058800000
End bracket				
dark beige	WEW 35/2		50	1061200000
Cover				
With lightning flash symbol	WAD 4 GE BED		50	1072000000
Blank, white	WAD 4 WS		50	1072100000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000

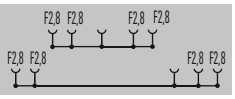
For detailed information on other accessories and application in the online catalogue
Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

WDK 2.5 FF — 1 mm²

Spade connection left and right



5.1 x 75.5 x 62.5
12 / 1
...1



IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400		300	
12		10	
1		AWG 26...12	
		6 kV / 3	
		/ V-0	

Rated connection	Plug-in connection

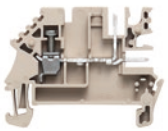
With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Type	Qty.	Order No.
WDK 2.5 FF	50	**1021700000**

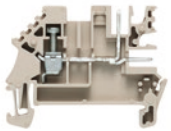
Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000.
Cross-connections, see section "W series accessories".

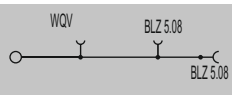
	WDU 1.5 BLZ 5.08 WQV	1.5 mm²
	Screwable cross-connection	



	WDU 1.5 BLZ 5.08 ZQV	1.5 mm²
	Plug-in cross-connection	



Width/Height/Depth	mm	5.08 x 49 x 37
max. current / max. cond. cross-section	A/mm²	16 / 4
Max. clamping range	mm²	0.13...4



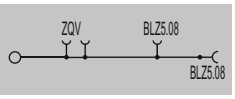
IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	10	
1.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

5.08 x 49 x 37		
16 / 4		
0.13...4		



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	20	
1.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	dark beige

Note

Type	Qty.	Order No.
WDU 1.5/BLZ 5.08	100	1577340000

WDU 1.5 BLA Order no. 1577260000 (100 pcs.). 2.5 mm² conductor with wire-end ferrule with plastic collar, only with order No. 1333100000, QTY 500.

Type	Qty.	Order No.
WDU 1.5/ZQV/BLZ 5.08	100	1784460000

2.5 mm² conductor with wire-end ferrule with plastic collar, only with order no. 1333100000 (500 pieces).

Accessories

Plug-in cross-connection			
2-pole			
10-pole			
Screwable cross-connection			
2-pole	WQV 2.5/2	32 A 50	1053660000
10-pole	WQV 2.5/10	32 A 20	1054460000
End plate / Partition plate			
Without peg	WAP WDU1.5/BLZ	50	1577330000
With spigot	WAP WDU1.5/BLZ/ZA	50	1577320000
End bracket			
dark beige	WEW 35/2	50	1061200000
Mounting block for socket connector			
Without peg	WBB WDU1.5/BL...	10	1068160000
With spigot	WBB ZA WDU1.5/BL 10/10	10	1068260000
Plug-in connector			
	BLZP 5.08HC/04/180 SN OR BX	90	1943600000
	BLZP 5.08HC/06/180 SN OR BX	60	1943620000
	BLZP 5.08HC/08/180 SN OR BX	42	1943640000
	BLZP 5.08HC/04/180F SN OR BX	60	1944110000
	BLZP 5.08HC/06/180F SN OR BX	42	1944130000
	BLZP 5.08HC/08/180F SN OR BX	36	1944150000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 12/5 MC SDR	144	1609870000
	DEK 5/5 MM WS	800	2007110000
Miscellaneous accessories			
Cover for unused pins			

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDU1.5/BLZ		50	1577330000
WAP WDU1.5/BLZ/ZA		50	1577320000
WEW 35/2		50	1061200000
WBB WDU1.5/BL...		10	1068160000
WBB ZA WDU1.5/BL 10/10		10	1068260000
BLZP 5.08HC/04/180 SN OR BX		90	1943600000
BLZP 5.08HC/06/180 SN OR BX		60	1943620000
BLZP 5.08HC/08/180 SN OR BX		42	1943640000
BLZP 5.08HC/04/180F SN OR BX		60	1944110000
BLZP 5.08HC/06/180F SN OR BX		42	1944130000
BLZP 5.08HC/08/180F SN OR BX		36	1944150000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC SDR		144	1609870000
DEK 5/5 MM WS		800	2007110000
SCHT 7		20	0517960000
SCHT 14/6		20	1269060000
ZGB 30		20	1611930000

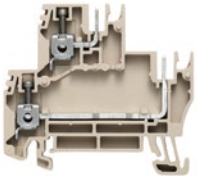
For detailed information on other accessories and application in the online catalogue

The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section "W series accessories".

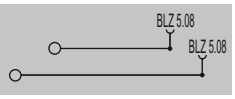
The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section "W series accessories".

WDK 2.5 BLZ/5.08 — 2.5 mm²

Double terminal pitch 5.08



5.08 x 58 x 52.5
18 / 4
0.13...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16.5	20	20	
2.5	AWG 22...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...2.5	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 58 mm / height 63.5 mm

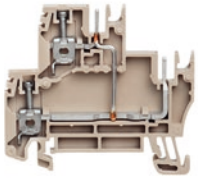
Type	Qty.	Order No.
WDK 2.5/BLZ/5.08/ZA	50	**1034400000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

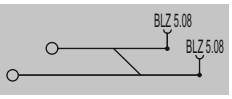
Type	Qty.	Order No.
WAP WDK2.5/BLZ/0.ZA	20	**1070000000**
WAP WDK2.5/BLZ/M.ZA	20	**1070100000**
WEW 35/1	50	**1059000000**
WBB WDK2.5/BL5.08	10	**1072660000**
WBB ZA WDK2.5/BL5.08	10	**1072760000**
BLZP 5.08HC/04/180 SN OR BX	90	**1943600000**
BLZP 5.08HC/06/180 SN OR BX	60	**1943620000**
BLZP 5.08HC/08/180 SN OR BX	42	**1943640000**
BLZP 5.08HC/04/180F SN OR BX	60	**1944110000**
BLZP 5.08HC/06/180F SN OR BX	42	**1944130000**
BLZP 5.08HC/08/180F SN OR BX	36	**1944150000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 8/5 MM WS	800	**2007150000**
DEK 5/5 MM WS	800	**2007110000**
WAD WDU1.5/BLZ/BLA	20	**1577400000**

External cross-connector WQB A, see section on W-series Accessories "potential distribution".

WDK 2.5 BLZ/5.08/ZA V — 2.5 mm²



5.08 x 58 x 52.5
18 / 4
0.13...4



IEC 61984, In accordance with IEC 60947-7-1

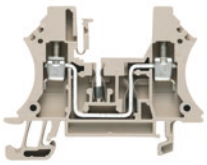
IEC	UL	CSA	EN 60079-7
250	300	300	
16.5	20	20	
2.5	AWG 22...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...2.5	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
WDK 2.5/BLZ/5.08/ZA V	50	**1027410000**

Type	Qty.	Order No.
WAP WDK2.5/BLZ/0.ZA	20	**1070000000**
WAP WDK2.5/BLZ/M.ZA	20	**1070100000**
WEW 35/1	50	**1059000000**
WBB WDK2.5/BL5.08	10	**1072660000**
WBB ZA WDK2.5/BL5.08	10	**1072760000**
BLZP 5.08HC/04/180 SN OR BX	90	**1943600000**
BLZP 5.08HC/06/180 SN OR BX	60	**1943620000**
BLZP 5.08HC/08/180 SN OR BX	42	**1943640000**
BLZP 5.08HC/04/180F SN OR BX	60	**1944110000**
BLZP 5.08HC/06/180F SN OR BX	42	**1944130000**
BLZP 5.08HC/08/180F SN OR BX	36	**1944150000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 8/5 MM WS	800	**2007150000**
DEK 5/5 MM WS	800	**2007110000**
WAD WDU1.5/BLZ/BLA	20	**1577400000**

WPO 4 — 4 mm²



Width/Height/Depth	6 x 60 x 46.5 mm
max. current / max. cond. cross-section	**32 / 4** A/mm²
Max. clamping range	**0.13...4** mm²



Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
32	10	10	
4	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

CE cULus EAC

Rated connection
0.5...4
0.5...4 / 0.5...2.5
/ (M 3)
8 / 0.6 x 3.5 mm

Note

The tightening torque is 2 Nm when connecting two conductors.

Ordering data

Version	
	dark beige

Note

Type	Qty.	Order No.
WPO 4	50	**1036000000**

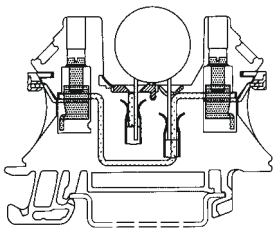
Accessories

Intermediate frame	
	Thickness 2.5 mm
Busbar	
	1 m
Marking tags	

Type	Qty.	Order No.
ZR WPO4 DB	20	**1071100000**
SSCH 7.3X1.2X1000	1	**1071200000**
DEK 5/6 MC NE WS	1000	**1609820000**
WS 12/5 MC NE WS	720	**1609860000**
DEK 5/6 MM WS	600	**2007120000**
WS 8/6 MM WS	600	**2007160000**

For detailed information on other accessories and application in the online catalogue

WPO 4 with varistor

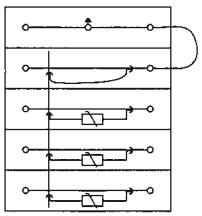


Weidmüller varistor terminals have been designed for the retrofitting of electronic components, e.g. varistors, diodes, gas discharge tubes, etc.
These “electronic terminals” no longer have to be configured prior to installation for subsequent delivery with soldered components which can no longer be distinguished.

The significant advantages of this design are:

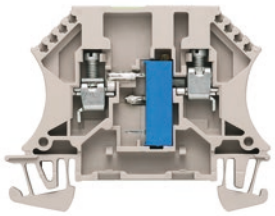
- **Cost saving:**
  Components can be changed quickly on site.
  Service requires only a visual inspection.
- **Clarity:**
  Components are easy to distinguish.
- **Flexibility:**
  Components can immediately be adapted to changed conditions.

Note:
Never change eletronic components under load!

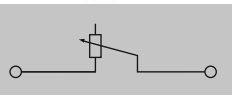


Overvoltages in a 3-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

WDUL 4/... 4 mm²



Width/Height/Depth	mm	6.5 x 60 x 46.5
max. current / max. cond. cross-section	A/mm²	6 / 6
Max. clamping range	mm²	0.13...6



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage				
Rated current	120			
for wire cross-section	4			
Rated impulse withstand voltage / Pollution severity			/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...6 / 1.5...6			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)	/ (M 3)			
Stripping length / Blade size mm/-	9 / 0.6 x 3.5 mm			
Component potentiometer				
Type potentiometer	Trim potentiometer, linear			
Resistance	100hm			
Tolerance (%)	10%			
Note				

Technical data for the 10 Ω compensating resistor

Resistor material: "Cermet"

Resistor setting range: 0...10 Ω

Wave form: linear

Temperature coefficient: 100 ppm/°C

Mechanical lifespan: 200 operations without permissible deviations, across the entire resistance range

Resistance change per spindle turn: ≈ 0,4 Ω

Rated output for total resistance: 1 watt at 70 °C

Rated current: 300 mA

Ambient temperature: -55 °C to +70 °C

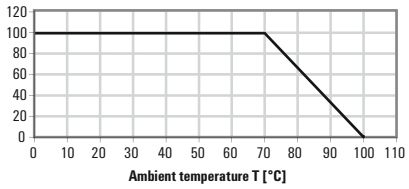
Ingress (seal) protection:

1) Leak tested in water at 70 °C without bubble formation
2) Storage in SFW 2.0 S, acc. to DIN 50018, 9 cycles

Ordering data

Version	Type	Qty.	Order No.
10 Ω	WDUL 4/10	10	1027000000
100 Ω	WDUL 4/100	10	1027300000
500 Ω	WDUL 4/500	10	1027400000
1 kΩ	WDUL 4/1K	10	1027500000
5 kΩ	WDUL 4/5K	10	1027600000
10 kΩ	WDUL 4/10K	10	1027700000
50 kΩ	WDUL 4/50K	10	1027800000
500 kΩ	WDUL 4/500K	10	1028000000
without potentiometer	WDUL 4	10	8161820000
Note			

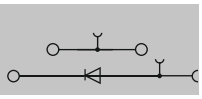
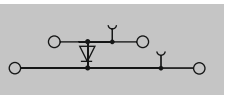
Capacity expressed in % of rated load



Accessories

End plate / Partition plate	Type	Qty.	Order No.
dark beige	WAP 2.5-10	50	1050000000
dark beige	WAP 16+35 WTW 2.5-10	20	1050100000
End bracket			
dark beige	WEW 35/2	50	1061200000
Screwdriver			
With "swifty set" cutting device	SWIFTY SET	1	9006060000
Standard	SDS 0.6X3.5X100	1	2749340000
Shield bus			
	LS 2.8 WDU2.5-10	100	1056400000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044

For detailed information on other accessories and application in the online catalogue

	WDK 2.5/D	WDK 2.5/D/1
	2.5 mm²	2.5 mm²
	Reverse polarity protection	Suppression circuit e. g. for contactor
		
Width/Height/Depth mm	5.1 x 69 x 62.5	5.1 x 69 x 62.5
max. current / max. cond. cross-section A/mm²	1 / 4	1 / 4
Max. clamping range mm²	0.05...4 	0.05...4 

Technical data

	WDK 2.5/D	WDK 2.5/D/1
Rated data	IEC 60947-7-1	IEC 60947-7-1
Rated voltage of feed-through terminal -	IEC: 300	IEC: 400
Rated current A	UL: 20	UL: 20
for wire cross-section mm²	IEC: 2.5 / UL: AWG 22...12	IEC: 2.5 / UL: AWG 22...12 / CSA: AWG 26...12
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Component 1	Diode 1N 4007 /	Diode 1N 4007 /
Approvals	CE EAC UL	CE CSA EAC UL
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4	0.5...4
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Component diode		
Type diode	1N4007	1N4007
Forward current	1A	1A
Reverse voltage	1300V	1300V
Forward voltage	0.7V	0.7V
Component LED		
Colour		
Voltage, min.		
Voltage, max.		
Current		
Component resistor		
Resistance		
Power loss		
Tolerance (%)		
Note		

Ordering data

Version	WDK 2.5/D	WDK 2.5/D/1
	Type: WDK 2.5 1D; Qty.: 25; Order No.: 8025610000	Type: WDK 2.5 1D A.1; Qty.: 25; Order No.: 1023400000
dark beige		
dark beige (red LED)		
dark beige (green LED)		
Note	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Accessories

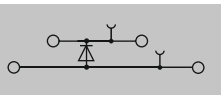
	WDK 2.5/D	WDK 2.5/D/1
Screwable cross-connection		
2-pole	WQV 2.5/2, 32 A, 50, 1053660000	WQV 2.5/2, 32 A, 50, 1053660000
10-pole	WQV 2.5/10, 32 A, 20, 1054460000	WQV 2.5/10, 32 A, 20, 1054460000
End plate / Partition plate		
dark beige	WAP WDK2.5, 20, 1059100000	WAP WDK2.5, 20, 1059100000
End bracket		
dark beige	WEW 35/2, 50, 1061200000	WEW 35/2, 50, 1061200000
Screwdriver		
With "swifty set" cutting device	SWIFTY SET, 1, 9006060000	SWIFTY SET, 1, 9006060000
Standard	SDS 0.6X3.5X100, 1, 2749340000	SDS 0.6X3.5X100, 1, 2749340000
Marking tags		
	DEK 5/5 MC NE WS, 1000, 1609801044	DEK 5/5 MC NE WS, 1000, 1609801044
	WS 8/5 MC NE WS, 720, 1640740000	WS 8/5 MC NE WS, 720, 1640740000
	DEK 5/5 MM WS, 800, 2007110000	DEK 5/5 MM WS, 800, 2007110000
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WDK 2.5/D/2 — 2.5 mm²

Suppression circuit e. g. for contactor



5.1 x 69 x 62.5
1 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
1	20	1	
2.5	AWG 22...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		
	Diode 1N 4007 /		

Rated connection
0.5...4 / 1.5...4
0.5...4
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

Type	Qty.	Order No.
WDK 2.5 1D A.2	25	**1023300000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

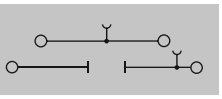
Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

Cross-connections, see section "W series accessories".

WDK 2.5/D/3 — 2.5 mm²



5.1 x 69 x 62.5
1 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5/D/3	50	**1023100000**

2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

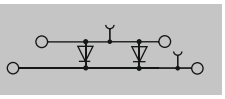
Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

WDK 2.5/D/4 — 2.5 mm²

Lamp test circuits



5.1 x 69 x 62.5
1 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300		
1	20		
2.5	AWG 22...12		
	6 kV / 3		
	A3 / V-0		
	Diode 1N 4007 / Diode 1N 4007		

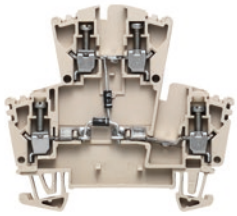
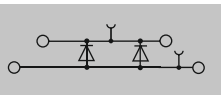
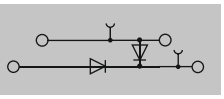
Rated connection
0.5...4 / 1.5...4
0.5...4
10 / 0.6 x 3.5 mm
1N4007
1A
1300V
0.7V

Type	Qty.	Order No.
WDK 2.5 2D 1.A	25	**8014670000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

Cross-connections, see section "W series accessories".

	WDK 2.5/D/5	WDK 2.5/D/6
	2.5 mm²	2.5 mm²
	Lamp test circuits	Lamp test circuits
		
Width/Height/Depth mm	5.1 x 69 x 62.5	5.1 x 69 x 62.5
max. current / max. cond. cross-section A/mm²	**1 / 4**	**1 / 4**
Max. clamping range mm²	**0.05...4** 	**0.05...4** 

Technical data

					WDK 2.5/D/5	WDK 2.5/D/6
Rated data						
Rated voltage of feed-through terminal	-				IEC 60947-7-1	IEC 60947-7-1
Rated current	A	**IEC**	**UL**	**CSA**	**EN 60079-7**	
for wire cross-section	mm²	400	300	300		
Rated impulse withstand voltage / Pollution severity		1	20	10		
Gauge to IEC 60947-1 / UL 94 flammability rating		2.5	AWG 22...12	AWG 26...12		
Component 1			6 kV / 3			
Approvals			A3 / V-0			
			Diode 1N 4007 / Diode 1N 4007			
		CE SEV EAC UL				
Clamped conductors (H05V/H07V)		**Rated connection**				
Solid / Stranded	mm²	0.5...4 / 1.5...4				
Flexible / Flexible with ferrule	mm²	0.5...4				
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				
Component diode						
Type diode		1N4007				
Forward current		1A				
Reverse voltage		1300V				
Forward voltage		0.7V				
Component LED						
Colour						
Voltage, min.						
Voltage, max.						
Current						
Component resistor						
Resistance						
Power loss						
Tolerance (%)						
Note						

Ordering data

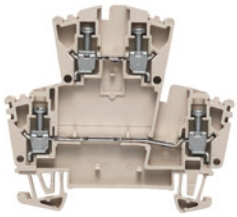
	WDK 2.5/D/5			WDK 2.5/D/6		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	WDK 2.5 2D 2.A	25	**1022600000**	WDK 2.5 2D	25	**1023500000**
dark beige (red LED)						
dark beige (green LED)						
Note	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).			2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Accessories

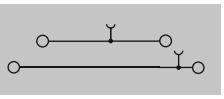
	WDK 2.5/D/5			WDK 2.5/D/6		
Screwable cross-connection	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
2-pole	WQV 2.5/2 32 A	50	**1053660000**	WQV 2.5/2 32 A	50	**1053660000**
10-pole	WQV 2.5/10 32 A	20	**1054460000**	WQV 2.5/10 32 A	20	**1054460000**
End plate / Partition plate						
dark beige	WAP WDK2.5	20	**1059100000**	WAP WDK2.5	20	**1059100000**
End bracket						
dark beige	WEW 35/2	50	**1061200000**	WEW 35/2	50	**1061200000**
Screwdriver						
With "swifty set" cutting device	SWIFTY SET	1	**9006060000**	SWIFTY SET	1	**9006060000**
Standard	SDS 0.6X3.5X100	1	**2749340000**	SDS 0.6X3.5X100	1	**2749340000**
Marking tags						
	DEK 5/5 MC NE WS	1000	**1609801044**	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 8/5 MC NE WS	720	**1640740000**	WS 8/5 MC NE WS	720	**1640740000**
	DEK 5/5 MM WS	800	**2007110000**	DEK 5/5 MM WS	800	**2007110000**
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".			Cross-connections, see section "W series accessories".		

WDK 2.5/D — 2.5 mm²

For installing electronic components



5.1 x 69.5 x 62.5
10 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		

CE EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

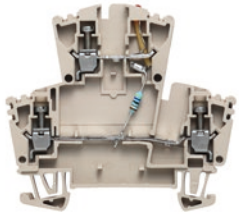
Type	Qty.	Order No.
WDK 2.5/D	100	**1023200000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

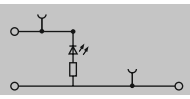
Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

WDK 2.5 LD + - — 2.5 mm²

DC voltage indicator + / -



5.1 x 69 x 62.5
10 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

CE EAC

Rated connection
0.5...4 / 1.5...4
0.5...4
10 / 0.6 x 3.5 mm
red
6V
24V
20mA
4.7kOhm
0.4W
1%

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC +-	25	**1023600000**
WDK 2.5 LD/GN 1R 24VDC	25	**8023610000**

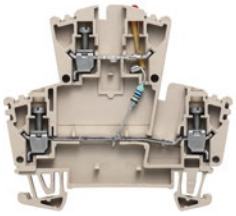
2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

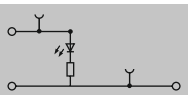
Cross-connections, see section "W series accessories".

WDK 2.5 LD - + — 2.5 mm²

DC voltage indicator - / +



5.1 x 69 x 62.5
10 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

CE EAC

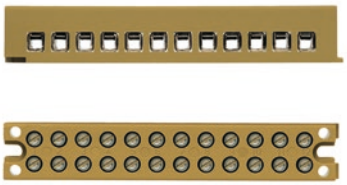
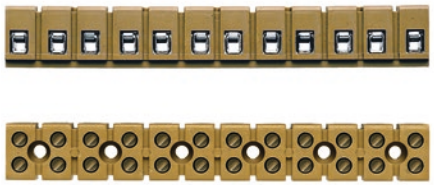
Rated connection
0.5...4 / 1.5...4
0.5...4
10 / 0.6 x 3.5 mm
red
6V
24V
20mA
4.7kOhm
0.4W
1%

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC -+	25	**8023630000**
WDK 2.5 LD GR 1R 24VDC	25	**8010040000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type		Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**2749340000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**

Cross-connections, see section "W series accessories".

	MK 2/12	2.5 mm²	MK 3/2...12	2.5 mm²
				
Width/Height/Depth mm	15 x 86 x 15		91.25 x 15 x 16.1	
max. current / max. cond. cross-section A/mm²	**24 / 4**		**24 / 4**	
Max. clamping range mm²	**0.2...4**		**0.33...4**	

Technical data

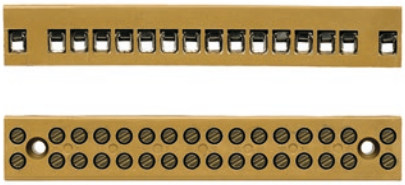
Rated data	MK 2/12			MK 3/2...12		
	IEC 60947-7-1			IEC 60947-7-1		
	IEC	UL	CSA	IEC	UL	CSA
Rated voltage	125	300	300	400	300	300
Rated current	24	10	10	24	20	25
for wire cross-section	2.5	AWG 24...12	AWG 24...12	2.5	AWG 22...12	AWG 22...12
Rated impulse withstand voltage / Pollution severity	2.5 kV / 3			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-2			A2 / 5VA		
Approvals	CE GB EAC UL			CE GB EAC KCC UL		
Clamped conductors (H05V/H07V)	**Rated connection**			**Rated connection**		
Solid / Stranded	0.5...4 / 1.5...2.5			0.5...4 / 1.5...2.5		
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...1.5			0.5...2.5 / 0.5...1.5		
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)			/ (M 2.5)		
Stripping length / Blade size	5 / 0.6 x 3.5 mm			5 / 0.6 x 3.5 mm		
Note						

Ordering data

Sorting of order data TK 1/SAK	MK 2/12					MK 3/2...12				
	Type	Height	Mounting	Qty.	Order No.	Type	Height	Mounting	Qty.	Order No.
2-pole						MK 3/2	15	18.5	100	**0273820000**
3-pole						MK 3/3	15	18.5	50	**0273920000**
4-pole						MK 3/4	15	18.5	50	**0274020000**
5-pole						MK 3/5	15	18.5	50	**0274120000**
6-pole						MK 3/6	15	37	50	**0274220000**
7-pole						MK 3/7	15	37	50	**0274320000**
8-pole						MK 3/8	15	55.5	25	**0274420000**
10-pole						MK 3/10	15	74	20	**0274620000**
12-pole	MK 2/12	86	80	50	**0241260000**	MK 3/12	15	92.5	20	**0243520000**
16-pole										
Note										

For detailed information on other accessories and application in the online catalogue

MK 4/16 — 2.5 mm²



17 x 103 x 16
24 / 4
0.2...4

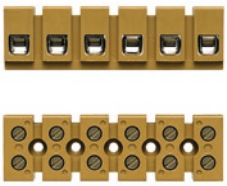
IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	150	
24	15	15	
2.5	AWG 24...12	AWG 22...12	
	6 kV / 3		
	A2 / 5VA		

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...1.5
/ (M 2.5)
5 / 0.6 x 3.5 mm

Type	Height	Mounting	Qty.	Order No.
MK 4/16	103	85.5	20	**0244220000**

MK 6/2...6/6 — 6 mm²



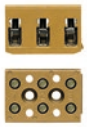
23 x 23.5 x 22
41 / 6
0.33...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	300	300	
41	30	40	
6	AWG 22...10	AWG 22...10	
	8 kV / 3		
	A3 / 5VA		

Rated connection
0.5...6 / 1.5...6
0.5...6 / 0.5...4
/ (M 4)
9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 6/2	23.5		50	**0620420000**
MK 6/3	36.5	13	50	**0620320000**
MK 6/4	49.5	26	20	**0620220000**
MK 6/6	75.5	52	20	**0620120000**

	MK 5/2 0.DE	2.5 mm²	BK 2...12	4 mm²
				
Width/Height/Depth mm	18 x 40 x 14.2		22 x 92 x 20	
max. current / max. cond. cross-section A/mm²	**24 / 4**		**32 / 4**	
Max. clamping range mm²	**0.2...4**		**0.33...4**	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500		300	
Rated current	24		25	
for wire cross-section	2.5		AWG 20...14	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / 5VA	
Approvals				
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded	0.5...4 / 1.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...1.5			
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)			
Stripping length / Blade size	5 / 0.6 x 3.5 mm			
Note				

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	400	150	300	
Rated current	32	20	10	
for wire cross-section	4	AWG 26...12	AWG 22...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0, 5VA	
Approvals				
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	0.5...4 / 0.5...4			
Tightening torque (clamping screw for copper conductors)	/ (M 3)			
Stripping length / Blade size	8 / 4.0 x 0.8 mm			
Note	Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm²) can be connected.			

Ordering data

Sorting of order data TK 1/SAK	Type	Height	Mounting	Qty.	Order No.
2-pole	MK 5/2 0.DE	40	32	100	**0243820000**
3-pole					
4-pole					
6-pole					
12-pole					
Note					

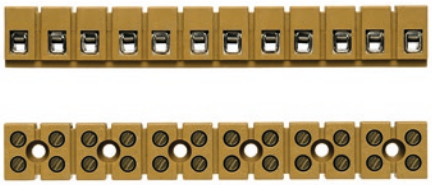
Type	Height	Mounting	Qty.	Order No.
BK 2 CRN	20		100	**0624720000**
BK 3 CRN	31	11	100	**0624920000**
BK 4 CRN	38	18	100	**0625120000**
BK 6 CRN	52	32	50	**0625220000**
BK 12 CRN	92	72.5	25	**0625320000**

Accessories

Lid / cover	Type	Qty.	Order No.
	D 2 MK5/2 PA/NA	50	**0244060000**

For detailed information on other accessories and application in the online catalogue



	BK 2...12/E	MK 3/2...12/E
	4 mm²	2.5 mm²
	Solid / stranded Flexible / flexible with wire-end ferrule	
		
Width/Height/Depth mm	22 x 92 x 20	15 x 110 x 16.1
max. current / max. cond. cross-section A/mm²	**32 / 4**	**24 / 4**
Max. clamping range mm²	**0.33...4**	**0.33...4**

Technical data

	BK 2...12/E				MK 3/2...12/E			
Rated data								
	IEC 60947-7-1		Ex eb II C GbII 2 G D		IEC 60947-7-1		Ex eb II C GbII 2 G D	
	IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	400	150	300	275	400	300	300	275
Rated current	32	20	10	28	24	20	25	24
for wire cross-section	4	AWG 26...12	AWG 22...12	4 mm²	2.5	AWG 22...12	AWG 22...12	4 mm²
Rated impulse withstand voltage / Pollution severity	6 kV / 3				6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0, 5VA				A2 / 5VA			
Approvals	BAS 98ATEX3084 U				BAS 99ATEX2124 U			
Clamped conductors (H05V/H07V)								
Solid / Stranded	**Rated connection**				**Rated connection**			
Flexible / Flexible with ferrule	0.5...4 / 1.5...4				0.5...4 / 1.5...2.5			
Tightening torque (clamping screw for copper conductors)	0.5...4 / 0.5...4				0.5...2.5 / 0.5...1.5			
Stripping length / Blade size	/ (M 3)				/ (M 2.5)			
	8 / 4.0 x 0.8 mm				5 / 0.6 x 3.5 mm			
Note	Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm²) can be connected.							

Ordering data

Sorting of order data TK 1/SAK	BK 2...12/E Type	Height	Mounting	Qty.	Order No.	MK 3/2...12/E Type	Height	Mounting	Qty.	Order No.
2-pole	BK 2/E	20		100	**7906040000**	MK 3/2/E	15	18.5	100	**7906110000**
3-pole	BK 3/E	31	11	100	**7906060000**	MK 3/3/E	15	18.5	50	**7906120000**
4-pole	BK 4/E	38	18	100	**7906080000**	MK 3/4/E	15	18.5	50	**7906130000**
5-pole										
6-pole	BK 6/E	52	32	50	**7906090000**	MK 3/6/E	15	37	50	**7906150000**
8-pole						MK 3/8/E	15	55.5	25	**7906170000**
12-pole	BK 12/E	92	72.5	25	**7906100000**	MK 3/12/E	110	92.5	20	**7906210000**
Note										

For detailed information on other accessories and application in the online catalogue

MK 6/2...6/E — 6 mm²



23 x 23.5 x 22
41 / 6
0.33...6

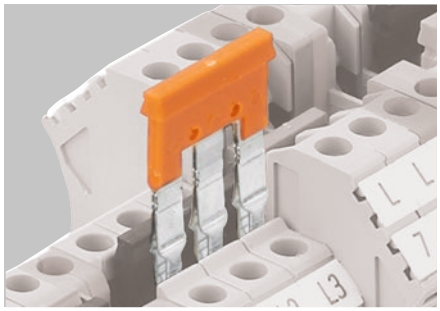
IEC 60947-7-1 — Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
690	300		440
41	30		36
6	AWG 22...10		6 mm²
	8 kV / 3		
	A3 / 5VA		
			BAS 99ATEX2123 U

Rated connection
0.5...6 / 1.5...6
0.5...6 / 0.5...4
/ (M 4)
9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 6/2/E	23.5		50	**7906220000**
MK 6/3/E	36.5	13	50	**7906230000**
MK 6/4/E	49.5	26	20	**7906240000**
MK 6/5/E	6250	26	20	**7906250000**
MK 6/6/E	75.5	52	20	**7906260000**

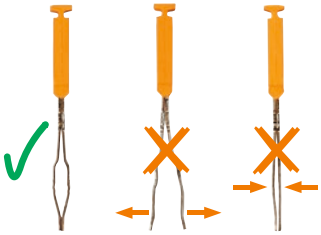
ZQV plug-in cross-connection



Weidmüller is the leading manufacturer of plug-in cross connection systems for screw clamp terminals. The plug-in cross-connections stand out with their easy handling and quick assembly, resulting in considerable time savings compared to screwed assembly solutions. This also ensures that all poles remain securely in contact.

Assembly / Technical information

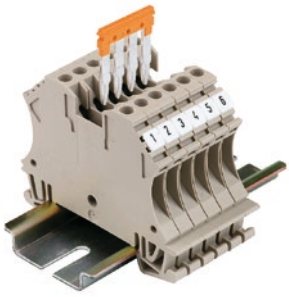
- The ZQV is pressed into the cross-connection channel by hand.
- **Important!** Ensure that the ZQV is pressed right in. The cross-connection must not protrude out of the cross-connection channel.
- To replace or remove, simply lever out with a screwdriver.
- Reduced rated voltage 400 V
- Different colours can be used to mark different potential
- **Important!** The contact elements must not be deformed



In one cross-connection channel

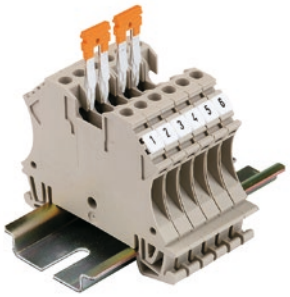
single





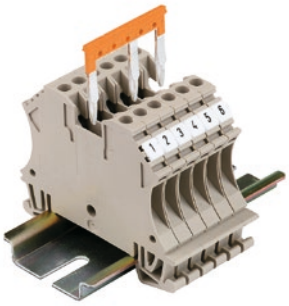
adjacent





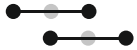
bridging

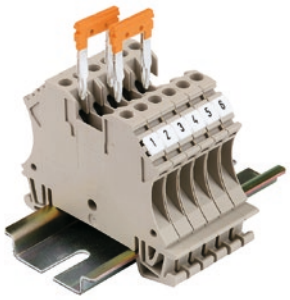




In two cross-connection channels

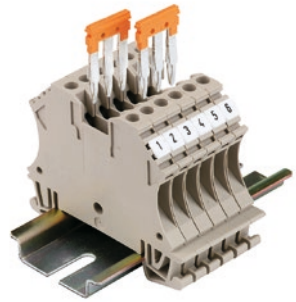
parallel/bridging





parallel/lengthening



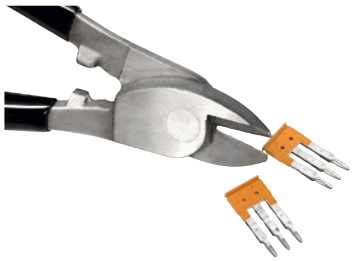


Possible cross-connections of terminals of the same type with corresponding cross-connectors

Terminal type	Cross-connector	single	adjacent	bridging	parallel bridging	parallel lengthening
Standard						
WDU 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDK 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDU 2.5/1.5/ZR	ZQV 2.5N	•	•	•	•	•
WDU 2.5	ZQV 2.5N	•	•	•	•	•
WDK 2.5 ZQV	ZQV 2.5N	•	•	•		
WTR 2.5/ZZ	ZQV 2.5	•	•	•		
WDU 4	ZQV 4N	•	•	•	•	•
WTR 4...	ZQV 4N	•	•	•		
WDU/PE/4ZZ/ZR	ZQV 4N	•	•	•	•	•
WTR 4/ZZ/ZR	ZQV 4N	•	•	•		
Compact						
WDU 2.5N ZQV	ZQV 2.5N	•	•	•	•	•
WDK 2.5N...	ZQV 2.5N	•	•	•		
WDK 2.5N PE	ZQV 2.5N	•	•	•		
WDU 4N	ZQV 4N	•	•	•	•	•
WDK 4N...	ZQV 4N	•	•	•		
WDK 4N PE	ZQV 4N	•	•	•		

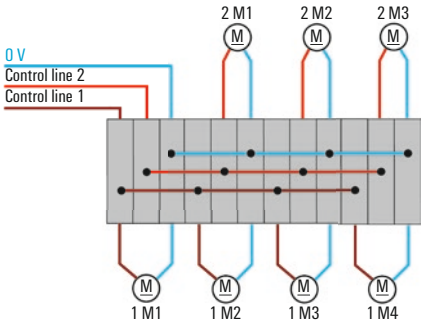


Continuous cross-connection
ZQV 2.5N/20 (20-pole) and ZQV 4N/20 (20-pole) are ideal for shortening (e.g. with tool KT ZQV – 9002170000) to produce customised configurations with the required number of poles.
More than 20 poles in a row are not recommended because of the resulting tolerances in the terminals.



Special features of
WDU 2.5, WDU 4 und WDU 2.5/1.5/ZR

- Parallel distribution of 3 potentials
  Important! Rated voltage reduced to 125 V!
- Parallel distribution of 2 potentials
  Important! Only when using the outer cross-connection holes at 400 V
- The middle cross-connection hole can be used for either ZQV or WQV



Important! By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.

Continuous cross-connection

ZQV 2.5N



Technical data	
Rated current	A
	24

Ordering data		Type	Qty.	Order No.
	2-pole	ZQV 2.5N/2	60	1527540000
	3-pole	ZQV 2.5N/3	60	1527570000
	4-pole	ZQV 2.5N/4	60	1527590000
	5-pole	ZQV 2.5N/5	20	1527620000
	6-pole	ZQV 2.5N/6	20	1527630000
	7-pole	ZQV 2.5N/7	20	1527640000
	8-pole	ZQV 2.5N/8	20	1527670000
	9-pole	ZQV 2.5N/9	20	1527680000
	10-pole	ZQV 2.5N/10	20	1527690000
	20-pole	ZQV 2.5N/20	20	1527720000

Note

ZQV 4N



Technical data	
	32

Type	Qty.	Order No.
ZQV 4N/2	60	1527930000
ZQV 4N/3	60	1527940000
ZQV 4N/4	60	1527970000
ZQV 4N/5	60	1527980000
ZQV 4N/6	20	1527990000
ZQV 4N/7	20	1528020000
ZQV 4N/8	20	1528030000
ZQV 4N/9	20	1528070000
ZQV 4N/10	20	1528090000



Technical data	
Rated current	A
	24

Ordering data		Type	Qty.	Order No.
	2-pole	ZQV 2.5N/2 BL	60	1527740000
	3-pole	ZQV 2.5N/3 BL	60	1527770000
	4-pole	ZQV 2.5N/4 BL	60	1527780000
	5-pole	ZQV 2.5N/5 BL	20	1527790000
	6-pole	ZQV 2.5N/6 BL	20	1527820000
	7-pole	ZQV 2.5N/7 BL	20	1527830000
	8-pole	ZQV 2.5N/8 BL	20	1527840000
	9-pole	ZQV 2.5N/9 BL	20	1527870000
	10-pole	ZQV 2.5N/10 BL	20	1527880000
	20-pole	ZQV 2.5N/20 BL	20	1527890000

Note



Technical data	
	32

Type	Qty.	Order No.
ZQV 4N/2 BL	60	1528040000
ZQV 4N/3 BL	60	1528080000
ZQV 4N/4 BL	60	1528120000
ZQV 4N/5 BL	60	1528140000
ZQV 4N/6 BL	20	1528170000
ZQV 4N/7 BL	20	1528180000
ZQV 4N/8 BL	20	1528190000
ZQV 4N/9 BL	20	1528220000
ZQV 4N/10 BL	20	1528230000



Technical data	
Rated current	A
	24

Ordering data		Type	Qty.	Order No.
	2-pole	ZQV 2.5N/2 RD	60	2108470000
	3-pole	ZQV 2.5N/3 RD	60	2108690000
	4-pole	ZQV 2.5N/4 RD	60	2108700000
	5-pole	ZQV 2.5N/5 RD	20	2108710000
	6-pole	ZQV 2.5N/6 RD	20	2108720000
	7-pole	ZQV 2.5N/7 RD	20	2108810000
	8-pole	ZQV 2.5N/8 RD	20	2108870000
	9-pole	ZQV 2.5N/9 RD	20	2108900000
	10-pole	ZQV 2.5N/10 RD	20	2108910000
	20-pole	ZQV 2.5N/20 RD	20	2108920000

Note

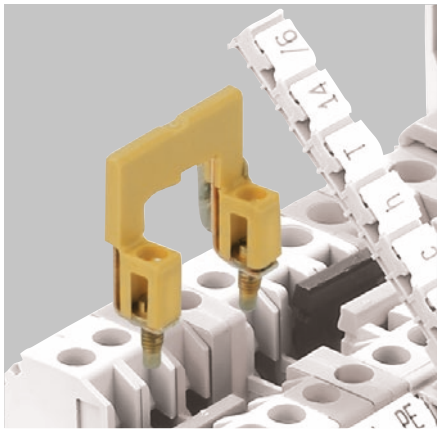


Technical data	
	32

Type	Qty.	Order No.
ZQV 4N/2 RD	60	2460450000
ZQV 4N/3 RD	60	2460810000
ZQV 4N/4 RD	60	2460800000
ZQV 4N/5 RD	60	2460790000
ZQV 4N/6 RD	20	2460780000
ZQV 4N/7 RD	20	2460770000
ZQV 4N/8 RD	20	2460760000
ZQV 4N/9 RD	20	2460750000
ZQV 4N/10 RD	20	2460740000



WQV screw-in cross-connection



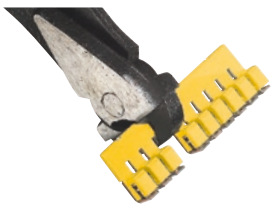
Thanks to the many possible ways in which the WQV cross-connection system can be used – break-out of individual layers, creation of any number of poles or running of two voltages parallel to one another – individual modules can be realised very easily!

Technical instructions

- The full rated current of the terminals can be routed across any number of poles.
- No end plates or partition plates needed for adjacent WQV up to 400 V.

Assembly

- Place the WQV in the cross-connection channel in the middle of the terminal and screw tight.
- Individual WQV segments can be broken out by bending over or using the WAW1 tool (9004500000). It is then possible to bridge individual or several terminals.



- Captive fixing screws.
- Snap onto the clamped support – simple overhead assembly.

Any number of poles (extending)

Pre-fitted cross-connections can be set one after the other to produce any required number of poles.
To do so, arrange the last and first contact points of two identical WQVs so that they overlap.

- First, remove the fixing screw and screwdriver guide (insulated part) at one of the outer contact points of one of the WQVs.



- Then insert the WQV without fixing screw and insulated part. At the same time, insert an unmodified WQV in parallel so as to produce an overlap at the connection. The connection is screwed tight using the fixing screw of the unmodified WQV.

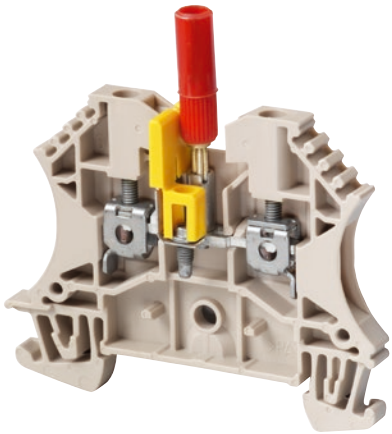


Routing 2 potentials in parallel

- In spite of only having 1 channel, the QV cross-connection system can still be used for offset cross-connections. See the photo “parallel bridging” (see on the next page).

WQV in combination with a socket contact and test plug

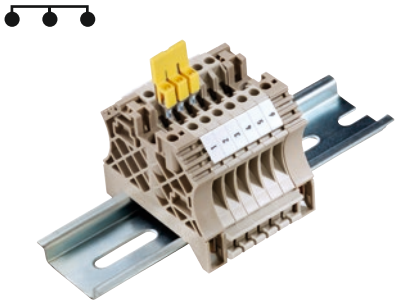
- Remove the fixing screw and insulation part of the WQV. Screw the socket in at this point. This now makes it possible to integrate a safe test point.



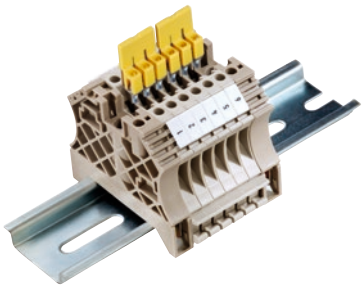
Potential distribution – possible combinations

In one cross-connection channel

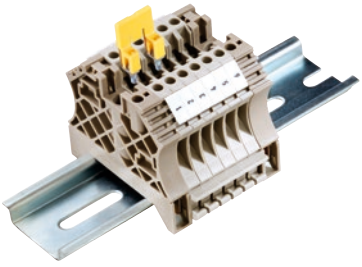
single



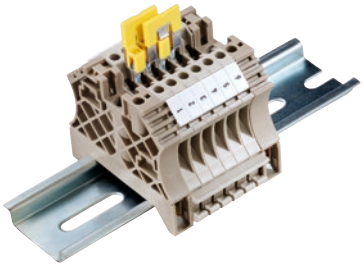
adjacent



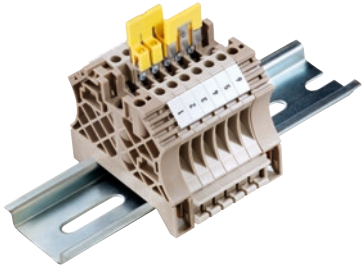
bridging



parallel/bridging



parallel/lengthening



Possible cross-connections of terminals of the same type with appropriate cross-connectors

Terminal type Standard	Cross-connector	single	adjacent	bridging	parallel bridging	parallel lengthening
WDU 1.5/ZZ	WQV 2.5	•	•	•	•	•
WDU 1.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5/1.5/ZR	WQV 2.5	•	•	•	•	•
WDU 2.5 - WDU 35	WQV 2.5 - WQV 35	•	•	•	•	•
WDK 2.5...	WQV 2.5	•	•	•	•	•
WDK 2.5 PE	WQV 2.5	•	•	•	•	•
WDU 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDK 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5 F...	WQV 2.5	•	•	•	•	•
WDK 2.5 F...	WQV 2.5	•	•	•	•	•
WDU 4... - WDU 35...	WQV 4 - WQV 35	•	•	•	•	•
WDU 70/95	WQV 70/95	•	•			
WDU 120/150	WQV 120/150	•	•			
WDU 240	WQB 240	•	•			
Compact						
WDU 2.5N	WQV 2.5	•	•	•	•	•
WDU 2.5N 600V	WQV 2.5	•	•	•	•	•
WDU 16N	WQV 16N	•	•	•	•	•
WDU 35N	WQV 35N	•	•			
WDU 50N	WQV 50N	•	•			
WDU 70N	WQV 70N	•	•			
WDU 95N/120N	WQV 95N/120N	•	•			

WQV 2.5



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
15-pole	
20-pole	
32-pole	
Note	

	32

Type	Qty.	Order No.
WQV 2.5/2	50	1053660000
WQV 2.5/3	50	1053760000
WQV 2.5/4	50	1053860000
WQV 2.5/5	10	1053960000
WQV 2.5/6	10	1054060000
WQV 2.5/7	10	1054160000
WQV 2.5/8	10	1054260000
WQV 2.5/9	10	1054360000
WQV 2.5/10	20	1054460000
WQV 2.5/15	10	1059660000
WQV 2.5/20	10	1577570000
WQV 2.5/32	10	1577600000

WQV 4



	41

Type	Qty.	Order No.
WQV 4/2	50	1051960000
WQV 4/3	50	1054560000
WQV 4/4	50	1054660000
WQV 4/5	10	1057860000
WQV 4/6	10	1057160000
WQV 4/7	10	1057260000
WQV 4/10	20	1052060000

WQV 6



	57

Type	Qty.	Order No.
WQV 6/2	50	1052360000
WQV 6/3	50	1054760000
WQV 6/4	50	1054860000
WQV 6/5	50	1062660000
WQV 6/6	50	1062670000
WQV 6/7	50	1062680000
WQV 6/10	20	1052260000

WQV 35N



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
15-pole	
20-pole	
32-pole	
Note	

	125

Type	Qty.	Order No.
WQV 35N/2	20	1079200000
WQV 35N/3	20	1079300000
WQV 35N/4	20	1079400000

WQV 50N



	150

Type	Qty.	Order No.
WQV 50N/2	5	1834060000
WQV 50N/3	5	1834070000
WQV 50N/4	5	1834080000
WQV 50N/5	5	2004960000
WQV 50N/5/3/1	5	1469080000

WQV 70N



	192

Type	Qty.	Order No.
WQV 70N/2	5	9512240000
WQV 70N/3	5	9512250000
WQV 70N/4	5	9531290000
WQV 70N/5/3/1	5	1393020000

WQV 10



63

Type	Qty.	Order No.
WQV 10/2	50	1052560000
WQV 10/3	50	1054960000
WQV 10/4	50	1055060000
WQV 10/10	20	1052460000

WQV 16



101

Type	Qty.	Order No.
WQV 16/2	50	1053260000
WQV 16/3	50	1055160000
WQV 16/4	50	1055260000
WQV 16/10	10	1053360000

WQV 16N



76

Type	Qty.	Order No.
WQV 16N/2	50	1636560000
WQV 16N/3	50	1636570000
WQV 16N/4	50	1636580000

WQV 35



112

Type	Qty.	Order No.
WQV 35/2	50	1053060000
WQV 35/3	50	1055360000
WQV 35/4	50	1055460000
WQV 35/10	10	1053160000

WQV 70/95



232

Type	Qty.	Order No.
WQV 70/95/2	5	1063500000
WQV 70/95/3	5	1063600000

WQV 95N/120N



269

Type	Qty.	Order No.
WQV 95N/120N/2	5	1826890000
WQV 95N/120N/3	5	1826900000
WQV 95N/120N/4	5	1826910000
WQV 95N/120N/5/3/1	5	1469090000

WQV 120



269

Type	Qty.	Order No.
WQV 120/2	5	1063300000
WQV 120/3	5	1063400000

Screwable QV

Q AKZ 4 SS



Technical data	
Rated current	A
	32

Ordering data		Type	Qty.	Order No.
	2-pole	Q 2 AKZ4SS	50	0369000000
	3-pole			
	4-pole			
	10-pole	Q 10 AKZ4SS	20	0369300000
	20-pole			

Note

Q / DLI



Technical data	
	24

Type	Qty.	Order No.
Q 2 DLI	50	1312500000
Q 3 DLI	50	1312600000
Q 4 DLI	50	1312700000
Q 10 DLI	20	1313100000
Q 20 DLI	20	1399800000

Q AKZ 1.5



Technical data	
	24

Type	Qty.	Order No.
Q 2 AKZ1.5	50	0368200000
Q 3 AKZ1.5	50	0368300000
Q 4 AKZ1.5	50	0368400000
Q 10 AKZ1.5	20	0368500000

Screwable QV

Q AKZ 4



Technical data	
Rated current	A
	24

Ordering data		Type	Qty.	Order No.
	2-pole	Q 2 AKZ4	50	0336400000
	3-pole	Q 3 AKZ4	50	0336500000
	4-pole	Q 4 AKZ4	50	0336600000
	10-pole	Q 10 AKZ4	20	0368600000
	20-pole			

Note

Q / WDL



	24

Type	Qty.	Order No.
Q 2 WDL2.5S	50	1071500000
Q 3 WDL2.5S	50	1071600000
Q 4 WDL2.5S	50	1071700000
Q 10 WDL2.5S	20	1071800000
Q 20 WDL2.5S	20	1074200000

Potential supply with cross-section reduction

Feed-in via output terminal

WDU 35

onto WDU 10



Technical data		to WDU 35	to WDU 10
Rated current	A	57	
Tightening torque	-	0.6...1.2	

Ordering data		Type	Qty.	Order No.
	2-pole	WQV 35-10	10	**1068000000**
	3-pole			
	6-pole			

Note

WDU 35

onto WDU 2.5



Technical data		to WDU 35	to WDU 2.5
Rated current	A	41	
Tightening torque	-	0.4...0.8	

Ordering data		Type	Qty.	Order No.
	2-pole			
	3-pole	WQV 35-2.5	10	**1064100000**
	6-pole			

Note

Feed-in via output terminal

WDU 16

WDU 2.5



Technical data		to WDU 16	to WDU 2.5
Rated current	A	76	
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pole	WQV 16-2.5	10	**1063900000**
	3-pole			
	6-pole			

Note

WDU 16N

WDU 2.5



Technical data		to WDU 16	to WDU 2.5
Rated current	A	76	
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pole	WQV 16N-2.5	10	**1073100000**
	3-pole			
	6-pole			

Note

WDU 16N

WDU 4 / WDU 6



Technical data		to WDU 16N	to WDU 4 / 6
Rated current	A	57	
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pole	WQV 16N-4/6	10	**1072500000**
	3-pole			
	6-pole			

Note

Feed-in via output terminal

WDU 10

WDU 2.5



Technical data		to WDU 10	to WDU 2.5
Rated current	A	57	
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pole	Q WDU10-2.5 SET	10	**1859620000**
	3-pole			
	6-pole			

Note

WDU 6

WDU 2.5



Technical data		to WDU 6	to WDU 2.5
Rated current	A	41	
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pole	Q WDU6-2.5 SET	10	**1859600000**
	3-pole			
	6-pole			

Note

Note

Cross-connectors reducing the cross-section may not be used in ATEX applications.

Feed-in via output terminal

WDU 10

WDU 4



Technical data	
Rated current	-
Tightening torque	-

Ordering data			
	2-pole	Q WDU10-4 SET	10	**1859610000**
	3-pole			
	6-pole			

Note

to WDU 10	to WDU 4

WDU 35

WDU 4 / WDU 6



to WDU 35	to WDU 4 / 6
41	
0.5...1	

Type	Qty.	Order No.
WQV 35-4/6	10	**1064200000**

WDU 16

WDU 4 / WDU 6



to WDU 16	to WDU 4 / 6
76	

Type	Qty.	Order No.
WQV 16-4/6	10	**1064000000**



Test adapter

		WTA 1	WTA 2	WTA 3
				
Dimensions				
Width / Length / Height	mm	5 / / 66.1	5 / / 66.1	6 / / 66.1
Stripping length	mm	6	6	6
Rated data				
Rated voltage	V	250	250	250
Rated current	A	6	6	6
for wire cross-section	mm²	1.5	1.5	1.5
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²	0.5…1.5	0.5…1.5	0.5…1.5
Flexible / Flexible with ferrule	mm²	1…1.5	1…1.5	1…1.5
Ordering data				
1-pole		WTA 1 WDU1.5	WTA 2 WDU2.5-10	WTA 3 WDU4
with snap-in pegs		WTA 1/ZA WDU1.5	WTA 2/ZA WDU2.5-10	WTA 3/ZA WDU4
10-pole			WTA 2/10 WDU2.5/10	
Note				

IEC	UL	CSA	Type	Qty.	Order No.
250	0		WTA 1 WDU1.5	25	1632290000
6	0		WTA 1/ZA WDU1.5	25	1632300000
1.5	LEER				

IEC	UL	CSA	Type	Qty.	Order No.
250	0		WTA 2 WDU2.5-10	25	1632320000
6	0		WTA 2/ZA WDU2.5-10	25	1632330000
1.5	LEER		WTA 2/10 WDU2.5/10	5	1632340000

IEC	UL	CSA	Type	Qty.	Order No.
250	0		WTA 3 WDU4	25	1632350000
6	0		WTA 3/ZA WDU4	25	1632360000
1.5	LEER				

Test adapter

		WTA 6	WTA 7
			
Dimensions			
Width / Length / Height	mm	5 / / 66.1	6 / / 68.15
Stripping length	mm	6	6
Rated data			
Rated voltage	V	250	250
Rated current	A	6	6
for wire cross-section	mm²	1.5	1.5
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5…1.5	0.5…1.5
Flexible / Flexible with ferrule	mm²	1…1.5	1…1.5
Ordering data			
1-pole		WTA 6 WTR2.5	WTA 7 WSI6
with snap-in pegs		WTA 6/ZA WTR2.5	
10-pole			
Note			

IEC	UL	CSA	Type	Qty.	Order No.
250	0		WTA 6 WTR2.5	25	1632380000
6	0		WTA 6/ZA WTR2.5	25	1632390000
1.5	LEER				

IEC	UL	CSA	Type	Qty.	Order No.
250	0		WTA 7 WSI6	25	1650210000
6	0				
1.5	LEER				

WTA 4N



5 / / 55		
6		
IEC	**UL**	**CSA**
250	0	
6	0	
1.5	LEER	
0.5…1.5		
1…1.5		

Type	Qty.	Order No.
WTA 4N WDK 2.5	25	**1878660000**
WTA 4N/ZA WDK 2.5	25	**1879350000**

WTA 5



5 / / 17		
8		
IEC	**UL**	**CSA**
250	0	
6	0	
0.75	LEER	
0.5…1		
1…1		

Type	Qty.	Order No.
WTA 5/1	25	**1051260000**
WTA 5/10	5	**1062060000**

Test adapter

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	-
Ordering data	
	beige
	green
Note	

WTA 8



6 / / 39		
IEC	**UL**	**CSA**
205	0	
6	0	
1.5	LEER	
0.5…2.5		

Type	Qty.	Order No.
WTA 8 TN	25	**1915450000**
WTA 8 KO-TN	25	**1915480000**

SIHA fuse holder

For 5x20 G-fuse cartridges
The SIHA fuse holder turns a test disconnect terminal into a fuse terminal in seconds: Simply remove the isolating lever and insert the fuse plug

- Simple handling – no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)
- Even fits on 5 mm wide terminals when fitted in offset arrangement



- Marking position for Dekafix 5 and space for self-adhesive label size 8/20





1. Open fuse holder with fingers or screwdriver.



3. Position new fuse.



2. Press out old fuse.



4. Press fuse holder together again with fingers or screwdriver.

SIHA 1



without LED		Qty.	Order No.
SIHA1/G20	400 V	1	**9537550000**
with LED (rot)			
SIHA1/G20	10 - 36 V	1	**9537560000**

For test-disconnect terminal versions
WTR 2.5/ZZ

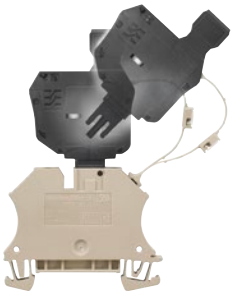
SIHA 3



without LED		Qty.	Order No.
SIHA3/G20	400 V	1	**7921560000**
with LED (rot)			
SIHA3/G20	10 - 36 V	1	**7921570000**
	35 - 70 V	1	**7921580000**
	60 - 150 V	1	**7921590000**
	140 - 250 V	1	**7921600000**

For test-disconnect terminal versions
WTR 4
WTR 4/ZZ
WTR 4/ZR
WTR 2,5

SIHA STRAP



with strap	Qty.	Order No.
SIHA STRAP	20	**9537680000**

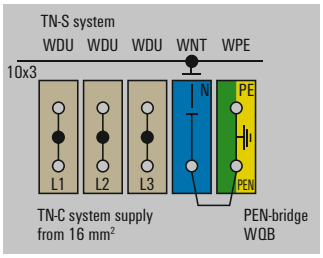
Connector for "retro-fit" assembly
- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either left or right

PEN bridges

Energy distribution for machines or in buildings usually consists of 5-conductor systems (TN-S). By contrast, energy supply mains are frequently rated as 4-conductor connection. A PEN bridge joins separate PE and N conductors into one PEN conductor, creating the transition from a TN-S to a TN-C system.

Standard installation
Depending on the terminal type, inside or outside, PEN bridges are available for both PE and N conductor terminals from 10 mm². **Important!** For outside bridges, please note that in this context only the next smaller rated cross-section (than standard) can be connected.

Building installation with N-conductor isolation
Special external cross-connections (WQB-PEN) are available for neutral conductor test-disconnect terminals (WNT). These establish contact between the NT and PE terminals. This results in an earthed neutral conductor with protection function in three-phase systems.



External PEN bridge



Inside PEN bridge



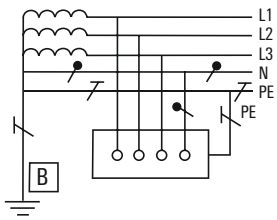
WQB-PEN ...

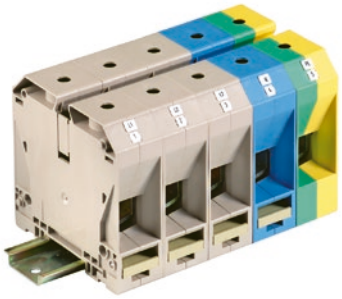
Type	Qty	Order No.	For terminal
with standard terminals			
WQB-PEN 10	10	**1060300000**	WPE 10 WDU 10 BL
WQB-PEN 16	10	**1060200000**	WPE 16 WDU 16 BL
WQB-PEN 35	10	**1060100000**	WPE 35 WDU 35 BL
with compact terminals			
WQB-PEN 16N	10	**1079600000**	WNT 16N WPE 16N
WQB-PEN 35N	10	**1079500000**	WNT 35N WPE 35N
WQB-PEN 70N	10	**1079700000**	WNT 70N WPE 70N

WQV ... -PEN

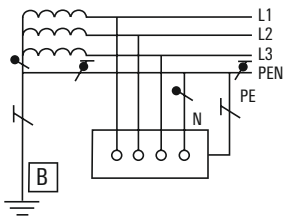
Typ	Qty	Order No.	For terminal
WQV 16N-PEN	10	**1071360000**	WPE 16N WDU 16N BL
WQV 70N-PEN	5	**9525840000**	WPE 70N WDU 70N BL
WQV 70/95-PEN	5	**1072300000**	WPE 70/95 WDU 70/95 BL
WQV 120-PEN	5	**1072400000**	WPE 120/150 WDU 120/150 BL
WQV 50N-PEN		**9201610000**	WPE 50N WDU 50N
WQV 95N/120N-PEN		**9201630000**	WPE 95N/120N WDU 95N/120N

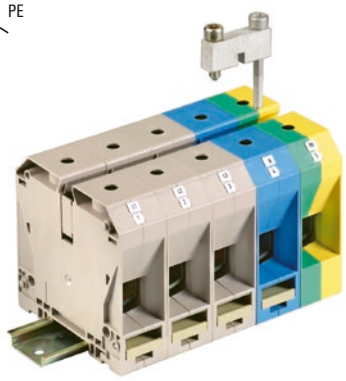
TN-S system:





TN-C system:





Robust connection for harsh conditions

Klippon® Connect offers maintenance-free contacts using stud technology

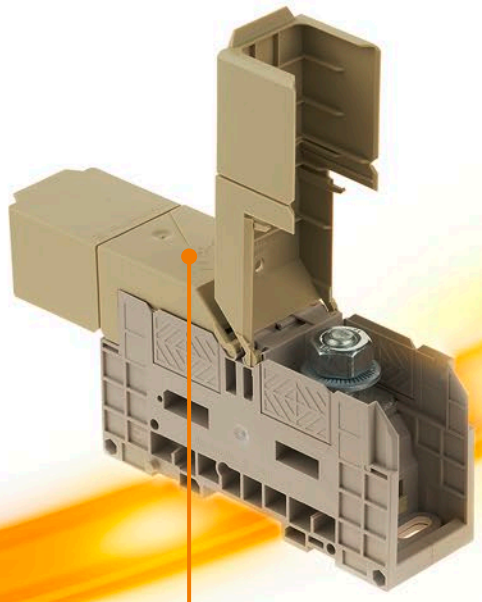


Whether it is the supply of high power levels to engines, quick and safe coupling of carriages, energy distribution in the carriages and parts thereof, traffic engineering in general, and high-speed trains especially, all pose real challenges for connectivity. For reliable power transfer in these challenging conditions, we offer series WF, WFF and ST 400 stud terminals. With crimped cable lugs, the conductors are laid on the threaded pins and securely connected together by tightening the hex nut to the required torque. The robust processing guarantees the ultimate in safety.



Our promise

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation.

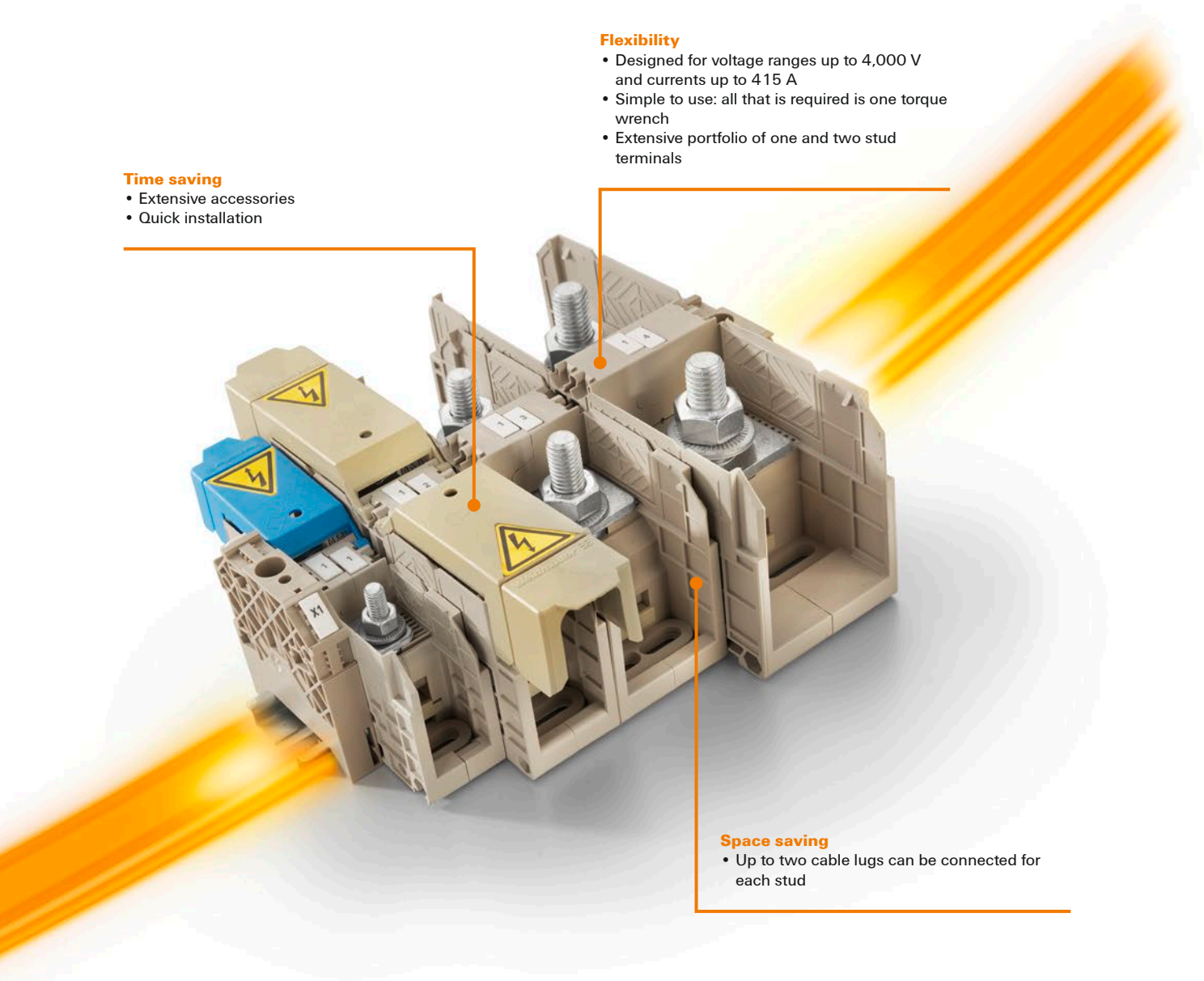


Safety

- Safe operation is guaranteed thanks to cover profiles or the snap-on and screwable hinged hoods
- All materials comply with the fire safety regulations found in DIN EN 45545
- All stud terminals are tested in line with the railway standards and made of self-extinguishing material

Flexibility
- Designed for voltage ranges up to 4,000 V and currents up to 415 A
- Simple to use: all that is required is one torque wrench
- Extensive portfolio of one and two stud terminals

Time saving
- Extensive accessories
- Quick installation



Space saving
- Up to two cable lugs can be connected for each stud

Overview

In all applications where reliable power transfer is key, our stud terminals are the safe solution.



Clever operating concept:
The WF and WFF stud terminal series are available as single and two-stud terminals. The option of a built-in folding hinged hood gives the two-stud terminals in the WFF-Series a particularly high level of safety.

Robust and high performance:
The ST 400 stud terminals, made of glass-fibre reinforced, flame resistant artificial resin for operating voltages of up to 4 kV, are specially designed for use on rail vehicles and tested to meet railway standards. They are perfect for applications with high requirements in terms of vibration and shock resistance.

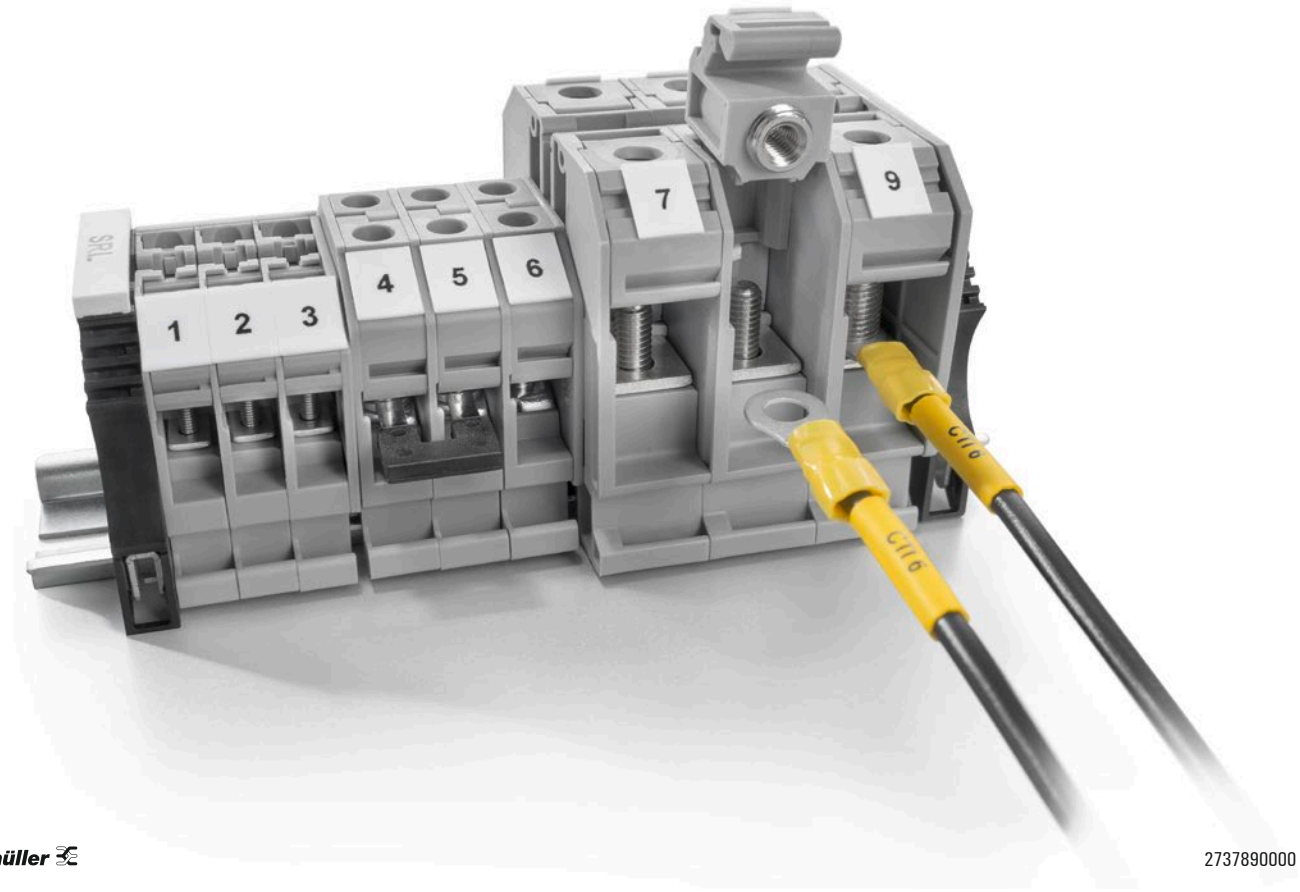
Connect ring lugs quickly and safely

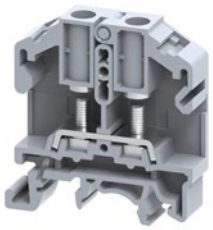
Klippon® Connect SRL Range with stud technology

Our SRL terminals are best suited for applications where connections are subjected to strong vibrations. The wire to be connected is first crimped onto a ring or fork eyelet and then attached to the busbar of the terminal block. The fixing nuts remain captive in the hinged plastic carrier. For connection, the plastic carrier is lifted, the conductor is inserted with the eyelet, and the plastic carrier returned to its initial position. The fixing nut is tightened with a simple screwdriver to create a secure connection between terminal block and eyelet.

Your special advantages:

- All terminal blocks of the SRL family are protected to IP20
- The finger-safe construction makes additional covers unnecessary
- Two cable lugs can also be connected without compromising safety
- SRL 4 STB terminals have hexagon socket screws to accept standard (D) 4.3 mm test adapters
- The variants SRL 3 and SRL 6 are additionally available with internal and external cross-connection options



		SRL 3	6 mm²	SRL 4	6 mm²
					
Width/Height/Depth	mm	9 x 47 x 47.25		11 x 46 x 52.2	
max. current / Clamping range, max.	A	**/ 41 / 6.00**		**/ 41 / 6.00**	
Max. clamping range	mm²	**1.5...6.00**		**1.5...6.00**	

Technical data

Rated data with Wemid partition wall								
		IEC 60947-7-1				IEC 60947-7-1		
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	-	1000				1000			
Rated current	A	41				41			
for wire cross-section	mm²	6				6			
Rated impulse withstand voltage / Pollution severity				8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating									
Approvals									
Clamped cable lugs									
Cable lug to DIN 46234		1.5...6 mm²				1.5...6 mm²			
2 x cable lugs DIN 46 234		1.5...6 mm²				1.5...6 mm²			
Cable lug to DIN 46235		1.5...6 mm²				1.5...6 mm²			
2 x cable lugs DIN 46 235		1.5...6 mm²				1.5...6 mm²			
Tightening torque, max.		0.5 Nm				0.5 Nm			
Note									

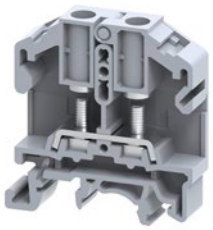
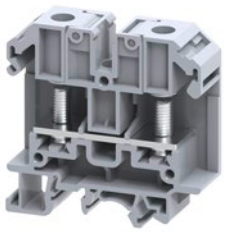
Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	SRL 3	100	**2614930000**	SRL 4	50	**2614940000**
Note							

Accessories

Plug-in cross-connection								
		Type		Qty.	Order No.	Type	Qty.	Order No.
	2-pole	SRQB 3/2	41 A	100	**2615190000**	SRQB 4/2	41 A 100	**2615220000**
	3-pole	SRQB 3/3	41 A	50	**2615200000**	SRQB 4/3	41 A 50	**2615230000**
	4-pole	SRQB 3/4	41 A	50	**2615210000**	SRQB 4/4	41 A 50	**2615240000**
	2-pole							
	4-pole							
Cross-connection permanent								
	2-pole	SQB 3/2	41 A	100	**2615110000**	SQB 4/2	41 A 100	**2615140000**
	3-pole	SQB 3/3	41 A	50	**2615120000**	SQB 4/3	41 A 50	**2615150000**
	4-pole	SQB 3/4	41 A	50	**2615130000**	SQB 4/4	41 A 50	**2615160000**
Screwable cross-connection								
	2-pole	SQV 3/2	41 A	100	**2615030000**			
	3-pole	SQV 3/3	41 A	50	**2615040000**			
	4-pole	SQV 3/4	41 A	50	**2615050000**			
	10-pole	SQV 3/10	41 A	10	**2615070000**			
End plate								
	dark beige	SEP SRL 3		50	**2614990000**	SEP SRL 4	50	**2615000000**
Marking tags								
		WS 10/8 PLUS MC NE WS		420	**1905950000**			
						WS 12/9.5-11 MC NE WS	300	**2484220000**

For detailed information on other accessories and application in the online catalogue

	SRL 4 STB	SRL 6
	6 mm²	35 mm²
		
Width/Height/Depth mm	11 x 46 x 52.2	18 x 63.9 x
max. current / Clamping range, max. A	**/ 41 / 6.00**	**/ 125 / 35.00**
Max. clamping range mm²	**1.5...6.00**	**1.5...35.00**

Technical data

	SRL 4 STB	SRL 6
Rated data with Wemid partition wall	IEC 60947-7-1	IEC 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage -	1000	1000
Rated current A	41	125
for wire cross-section mm²	6	35
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals	CE	cULus
Clamped cable lugs		
Cable lug to DIN 46234	1.5...6 mm²	1.5...35 mm²
2 x cable lugs DIN 46 234	1.5...6 mm²	1.5...35 mm²
Cable lug to DIN 46235	1.5...6 mm²	1.5...35 mm²
2 x cable lugs DIN 46 235	1.5...6 mm²	1.5...35 mm²
Tightening torque, max.	0.5 Nm	3 Nm
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	SRL 4 STB	50	**2614950000**
Note			

Type	Qty.	Order No.
SRL 6	50	**2614960000**

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	SRQB 4/2	41 A	100	**2615220000**
3-pole	SRQB 4/3	41 A	50	**2615230000**
4-pole	SRQB 4/4	41 A	50	**2615240000**
2-pole	SQS 4/2	41 A	20	**2615250000**
4-pole	SQS 4/4	41 A	10	**2615260000**
Cross-connection permanent				
2-pole	SQB 4/2	41 A	100	**2615140000**
3-pole	SQB 4/3	41 A	50	**2615150000**
4-pole	SQB 4/4	41 A	50	**2615160000**
Screwable cross-connection				
2-pole				
3-pole				
4-pole				
10-pole				
End plate				
dark beige	SEP SRL 4		50	**2615000000**
Marking tags				
	WS 12/9.5-11 MC NE WS		300	**2484220000**

Type		Qty.	Order No.
SQV 6/2	125 A	100	**2615080000**
SQV 6/3	125 A	50	**2615090000**
SQV 6/4	125 A	50	**2615100000**
SEP SRL 6		50	**2615010000**
WS 10/15 MC NE WS		240	**1854090000**

For detailed information on other accessories and application in the online catalogue



Stud terminals

Power transmission
The comprehensive range of stud terminals ensures secure connections for all power transmission applications. Connections range from 10 mm² to 300 mm².

The connectors are attached to the threaded pins using crimped cable lugs and each connection is secured by tightening the hexagon nut. Stud terminals with threaded pins from M5 to M16 can be used according to the wire cross-section.

All stud terminals are tested to international standards **(EN 60947-7-1, EN 50124-1, DIN EN 61373, EN 50343, DIN EN 45545-2, NFF 61-017)** and satisfy the requirements contained therein.

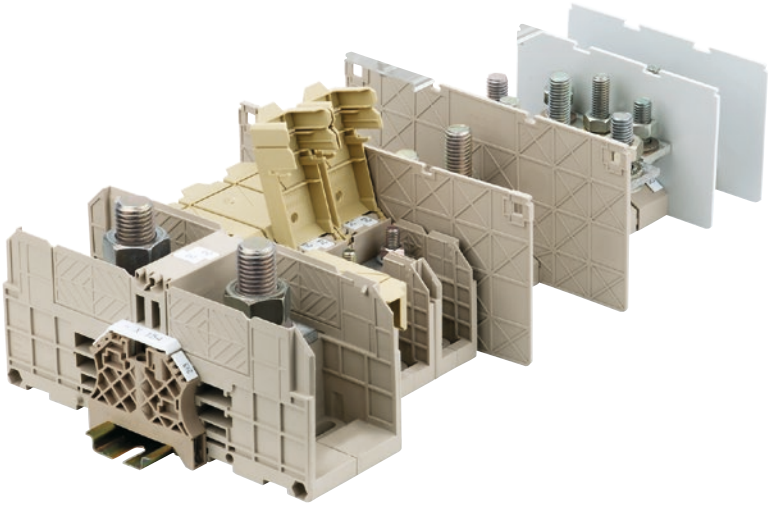
Handling
Cable lugs are crimped onto the cable lugs to connect the connectors. The cable lugs are placed between the washer on the clamp support and the lock washer on the bolt of the WF terminal. With the WFF stud terminals, the cable lugs contact directly to the current bar. Tightening the hexagon nut causes the cable lugs' flaps to press against one another – thereby creating a secure contact.

WF / WFF series
- For voltage ranges up to 1000 V
- For use with special epoxy resin partition plates even up to 2,300 V and 520 A

WF single-stud terminals
- Four connectors can be securely connected without a problem
- Three connectors even without compromising the rated data

WFF two-bolt terminals
- Two connectors can be reliably connected

Accessories
We offer an extensive range of accessories for our stud terminals. A detailed description is available on the accessory overview pages.



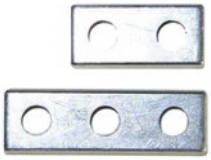
product overview

size of thread	M5	M6	M8	M10	M12	M16
single-stud terminals – WF	•	•	•	•	•	
twin-stud terminals – WF 2 BZ		•	•	•		
twin-stud terminals – WFF		•	•	•	•	•
twin-stud terminals – ST 4000 (up to 4000 V)			•	•	•	

Stud connection
- Stud size M5 to M16
- Connector with cable lug according to DIN 46234 up to 240 mm² and DIN 46235 up to 300 mm²

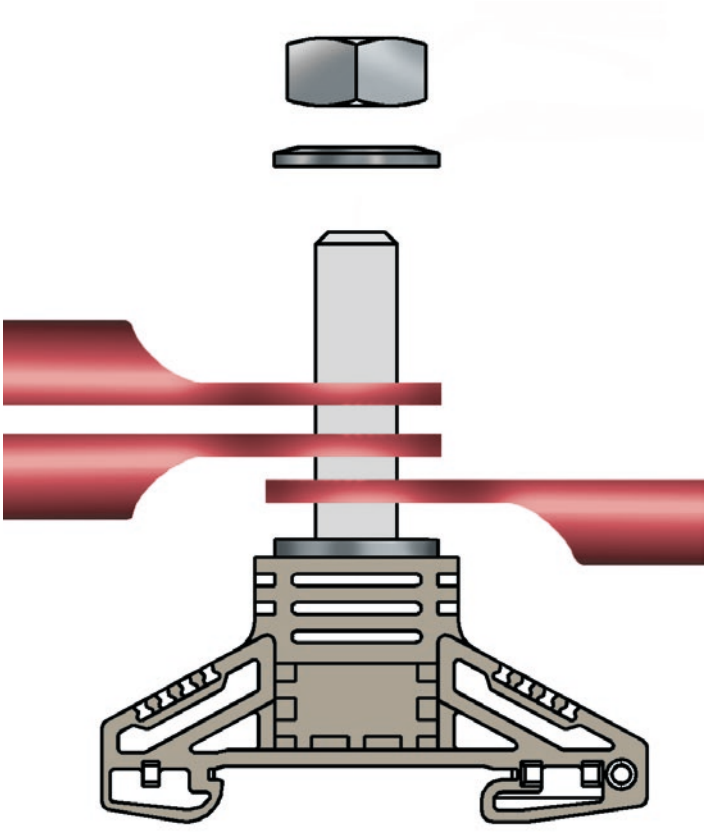


Cross-connections
- Saves a great deal of time through fast potential distribution
- Can be used for all stud terminals
- 2, 3 and 4-pin variations available
- Potential distribution between different sizes possible (from WF6 to WF8 and to WF10)



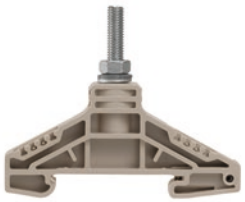
Simple operation
- The cable lugs are placed on the bolt using the washer
- The lock washer is placed on top
- A secure contact is established between the cable lugs by tightening the steel nuts

Clamp supports made of Wemid
- Non-tracking CTI 600
- Temperature-resistant up to 130°C
- Self-extinguishing V0 according to UL94
- Non-toxic
- No smoke emission in the event of fire
- Complies with the requirements set out in DIN EN 45545-2



Contact security
- Maintenance-free, no tightening of the nut necessary
- Resistant to vibrations and high contact force through lock washer

Safe operation
Touch-safe protection
- In the case of WF, through partition plates and transparent cover profiles
- In the case of WFF, with a lockable cover hood for each connection

	WF 5	WF 5 NFF
	16 mm²	16 mm²
	Screw thread M5	Screw thread M5
		
Width/Height/Depth mm	13 x 67 x 54.5	13 x 67 x 54.5
max. current / max. cond. cross-section A	**76 / 16**	**76 / 16**
Max. clamping range mm²	**0.1...16**	**0.1...16**

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	1000	
Rated current A	76	85	85	
for wire cross-section mm²	16	AWG 10...4	AWG 10...4	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals	CE GL EAC UL			
Clamped cable lugs				
Cable lug to DIN 46234	0.1...16 mm²			
2 x cable lugs DIN 46 234	0.1 to 16 mm²			
Cable lug to DIN 46235	6...10 mm²			
2 x cable lugs DIN 46 235	6...10 mm²			
Tightening torque (clamping screw for copper conductors)				
Note	1000V UL and CSA for usage groups B and C can be used with isolating terminal rails and when using WTW WF6 1781220000 partitions.			

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000			
Rated current A	76			
for wire cross-section mm²	16			
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals	CE EAC			
Clamped cable lugs				
Cable lug to DIN 46234	0.1...16 mm²			
2 x cable lugs DIN 46 234				
Cable lug to DIN 46235	6...10 mm²			
2 x cable lugs DIN 46 235				
Tightening torque (clamping screw for copper conductors)				
Note				

Ordering data

Version	Type	Qty.	Order No.
dark beige	WF 5	25	**1790130000**
Note	1000 V DC rated voltage passed with the WTW WF6 1781220000 partition plate.		

Version	Type	Qty.	Order No.
dark beige	WF 5 NFF	25	**1968990000**
Note			

Accessories

Cross-connector	Type		Qty.	Order No.
2-pole	WQL 2 WF5	76 A	5	**1812710000**
3-pole	WQL 3 WF5	76 A	5	**1812740000**
4-pole				
Auxiliary/control connection				
up to 4 mm², 32 A				
Spacer				
dark beige	WTW WF6		20	**1781220000**
Beige epoxy resin	WTW WF6 2300		20	**1781230000**
dark beige	WTW WF6-WF12		20	**1781240000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF6/WF8		1	**1780930000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Busbar				
Marking tags				
	WS 12/5 MC NE WS		720	**1609860000**

Cross-connector	Type		Qty.	Order No.
2-pole	WQL 2 WF5	76 A	5	**1812710000**
3-pole	WQL 3 WF5	76 A	5	**1812740000**
4-pole				
Auxiliary/control connection				
up to 4 mm², 32 A				
Spacer				
dark beige	WTW WF6		20	**1781220000**
Beige epoxy resin	WTW WF6 2300		20	**1781230000**
dark beige	WTW WF6-WF12		20	**1781240000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF6/WF8		1	**1780930000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Busbar				
Marking tags				
	WS 15/5 MC NE WS		480	**1609880000**
	DEK 5/6 MC NE WS		1000	**1609820000**

For detailed information on other accessories and application in the online catalogue	With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1	With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 6 — 35 mm²

Screw thread M6



17.8 x 67 x 54.5
125 / 35
2.5...35

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
125	115	150	
35	AWG 14...2	AWG 14...2	
	8 kV / 3		
	/ V-0		
CE cULus EAC KCDB			
2.5...35 mm²			
2.5 to 35 mm²			
6...25 mm²			
6...25 mm²			

1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WF 6	25	1780850000
1000 VDC rated voltage tested.		

Type		Qty.	Order No.
WQL 2 WF6	125 A	5	1780970000
WQL 3 WF6	125 A	5	1780980000
WZAF 35	32 A	10	1070500000
WTW WF6		20	1781220000
WTW WF6 2300		20	1781230000
WTW WF6-WF12		20	1781240000
WEW 35/2		50	1061200000
ADP WF6/WF8		1	1780930000
HA ADP WF6/WF10		10	1781050000
WS 10/6 MC NE WS		600	1828450000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 6 NFF — 35 mm²

Screw thread M6



17.8 x 67 x 54.5
125 / 35
2.5...35

IEC	UL	CSA	EN 60079-7
1000			
125			
35			
	8 kV / 3		
	/ V-0		
CE EAC			
2.5...35 mm²			
6...35 mm²			

Type		Qty.	Order No.
WQL 2 WF6	125 A	5	1780970000
WQL 3 WF6	125 A	5	1780980000
WZAF 35	32 A	10	1070500000
WTW WF6		20	1781220000
WTW WF6 2300		20	1781230000
WTW WF6-WF12		20	1781240000
WEW 35/2		50	1061200000
ADP WF6/WF8		1	1780930000
HA ADP WF6/WF10		10	1781050000
WS 15/5 MC NE WS		480	1609880000
DEK 5/6 MC NE WS		1000	1609820000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 8 — 50 mm²

Screw thread M8



22.8 x 67 x 63.5
150 / 50
2.5...50

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
150	150	200	
50	AWG 14...0	AWG 14...0	
	8 kV / 3		
	/ V-0		
CE cULus EAC KCDB			
2.5...50 mm²			
2.5 to 50 mm²			
6...35 mm²			
6...35 mm²			

The WQL 2 for WF 6 on the WF 8 is available under Order no. 1808980000.

Type	Qty.	Order No.
WF 8	25	1780860000
1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.		

Type		Qty.	Order No.
WQL 2 WF8	150 A	5	1780990000
WQL 3 WF8	150 A	5	1781000000
WZAF 70	32 A	10	1066200000
WTW WF8		20	1780900000
WTW WF8 2300		20	1780910000
WEW 35/2		50	1061200000
ADP WF6/WF8		1	1780930000
HA ADP WF6/WF10		10	1781050000
WS 10/6 MC NE WS		600	1828450000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

	WF 8 NFF	WF 10
	50 mm²	120 mm²
	Screw thread M8	Screw thread M10
		
Width/Height/Depth mm	22.8 x 67 x 63.5	33.8 x 67 x 72.5
max. current / max. cond. cross-section A	**150 / 50**	**269 / 120**
Max. clamping range mm²	**2.5...50**	**6...120**

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	1000	
Rated current A	150	255	320	
for wire cross-section mm²	50	AWG 10...250	AWG 10...250	
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	/ V-0			
Approvals	CE EAC	CE SP EAC KCAS cULus		
Clamped cable lugs				
Cable lug to DIN 46234	2.5...50 mm²	6...120 mm²		
2 x cable lugs DIN 46 234		6 to 120 mm²		
Cable lug to DIN 46235	6...35 mm²	10...95 mm²		
2 x cable lugs DIN 46 235		10...95 mm²		
Tightening torque (clamping screw for copper conductors)				
Note		The WQL 2 for WF 6 on the WF 10 is available under Order no. 1806620000.		

Ordering data

Version	Type	Qty.	Order No.
dark beige	WF 8 NFF	25	**1968960000**
Note			

Type	Qty.	Order No.
WF 10	20	**1780870000**
1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.		

Accessories

Cross-connector	Type		Qty.	Order No.
2-pole	WQL 2 WF8	150 A	5	**1780990000**
3-pole	WQL 3 WF8	150 A	5	**1781000000**
4-pole				
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 70	32 A	10	**1066200000**
Spacer				
dark beige	WTW WF8		20	**1780900000**
Beige epoxy resin	WTW WF8 2300		20	**1780910000**
dark beige				
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF6/WF8		1	**1780930000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Busbar				
Marking tags				
	WS 15/5 MC NE WS		480	**1609880000**
	DEK 5/6 MC NE WS		1000	**1609820000**

Type		Qty.	Order No.
WQL 2 WF10	269 A	5	**1781010000**
WQL 3 WF10	269 A	5	**1781020000**
WQL 4 WF10	265 A	5	**1027840000**
WZAF 120	32 A	10	**1066300000**
WTW WF10/WF12		20	**1780890000**
WTW WF10/WF12 2300		20	**1780920000**
WEW 35/2		50	**1061200000**
ADP WF10/WF12		1	**1780940000**
HA ADP WF6/WF10		10	**1781050000**
WS 10/6 MC NE WS		600	**1828450000**

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 10 NFF — 120 mm²

Screw thread M10



33.8 x 67 x 72.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/ V-0		
CE EAC			
6...120 mm²			
10...95 mm²			

The WQL 2, for WF 6 on WF 10, is available under order no. 180662000.

Type	Qty.	Order No.
WF 10 NFF	20	**1968950000**

Type		Qty.	Order No.
WQL 2 WF10	269 A	5	**1781010000**
WQL 3 WF10	269 A	5	**1781020000**
WQL 4 WF10	265 A	5	**1027840000**
WZAF 120	32 A	10	**1066300000**
WTW WF10/WF12		20	**1780890000**
WTW WF10/WF12 2300		20	**1780920000**
WEW 35/2		50	**1061200000**
ADP WF10/WF12		1	**1780940000**
HA ADP WF6/WF10		10	**1781050000**
SMSE WF10/2XM6		10	**1868880000**
WS 15/5 MC NE WS		480	**1609880000**
DEK 5/6 MC NE WS		1000	**1609820000**

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 12 — 120 mm²

Screw thread M12



33.8 x 67 x 70.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	255	320	
120	AWG 10...250	AWG 10...250	
	8 kV / 3		
	/ V-0		
CE EAC			
6...120 mm²			
6 to 120 mm²			
10...95 mm²			
10...95 mm²			

Type	Qty.	Order No.
WF 12	20	**1780880000**

1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.

Type		Qty.	Order No.
WQL 2 WF12	269 A	5	**1781030000**
WQL 3 WF12	269 A	5	**1781040000**
WZAF 185	32 A	10	**1066400000**
WTW WF10/WF12		20	**1780890000**
WTW WF10/WF12 2300		20	**1780920000**
WEW 35/2		50	**1061200000**
ADP WF10/WF12		1	**1780940000**
HA ADP WF6/WF10		10	**1781050000**
WS 10/6 MC NE WS		600	**1828450000**

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 12 NFF — 120 mm²

Screw thread M12



33.8 x 67 x 70.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/ V-0		
CE EAC			
6...120 mm²			
10...95 mm²			

Type	Qty.	Order No.
WF 12 NFF	20	**1968940000**

Type		Qty.	Order No.
WQL 2 WF12	269 A	5	**1781030000**
WQL 3 WF12	269 A	5	**1781040000**
WZAF 185	32 A	10	**1066400000**
WTW WF10/WF12		20	**1780890000**
WTW WF10/WF12 2300		20	**1780920000**
WEW 35/2		50	**1061200000**
ADP WF10/WF12		1	**1780940000**
HA ADP WF6/WF10		10	**1781050000**
SMSE WF10/2XM6		10	**1868880000**
WS 15/5 MC NE WS		480	**1609880000**
DEK 5/6 MC NE WS		1000	**1609820000**

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

	WF 6/2BZ	WF 8/2BZ
	35 mm²	50 mm²
	Screw thread M6	Screw thread M8
		
Width/Height/Depth mm	17.8 x 67 x 54.5	22.8 x 67 x 63.5
max. current / max. cond. cross-section A	**125 / 35**	**150 / 50**
Max. clamping range mm²	**2.5...35**	**2.5...50**

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	1000	
Rated current A	125	115	115	
for wire cross-section mm²	35			
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals				
Clamped cable lugs				
Cable lug to DIN 46234	2.5...35 mm²			
2 x cable lugs DIN 46 234	2.5 to 35 mm²			
Cable lug to DIN 46235	6...25 mm²			
2 x cable lugs DIN 46 235	6...25 mm²			
Tightening torque (clamping screw for copper conductors)				
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	1000	
Rated current A	150	150	150	
for wire cross-section mm²	50			
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals				
Clamped cable lugs				
Cable lug to DIN 46234	2.5...50 mm²			
2 x cable lugs DIN 46 234	2.5 to 50 mm²			
Cable lug to DIN 46235	6...35 mm²			
2 x cable lugs DIN 46 235	6...35 mm²			
Tightening torque (clamping screw for copper conductors)				
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Ordering data

Version	Type	Qty.	Order No.
dark beige	WF 6/2BZ	25	**1789770000**
Note	1000 VDC rated voltage tested.		

Version	Type	Qty.	Order No.
dark beige	WF 8/2BZ	25	**1789780000**
Note	1000 VDC rated voltage tested.		

Accessories

Cross-connector	Type		Qty.	Order No.
2-pole	WQL 2 WF6	125 A	5	**1780970000**
3-pole	WQL 3 WF6	125 A	5	**1780980000**
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 35	32 A	10	**1070500000**
Spacer				
dark beige	WTW WF10/WF12		20	**1780890000**
Beige epoxy resin	WTW WF6 2300		20	**1781230000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF10/WF12		1	**1780940000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Marking tags				
	WS 12/5 MC NE WS		720	**1609860000**

Cross-connector	Type		Qty.	Order No.
2-pole	WQL 2 WF8	150 A	5	**1780990000**
3-pole	WQL 3 WF8	150 A	5	**1781000000**
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 70	32 A	10	**1066200000**
Spacer				
dark beige	WTW WF10/WF12		20	**1780890000**
Beige epoxy resin	WTW WF8 2300		20	**1780910000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF10/WF12		1	**1780940000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Marking tags				
	WS 12/5 MC NE WS		720	**1609860000**

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current 2300 V according to DIN EN 50124 pt 1

With WTW...2300 made from epoxy resin, rated current 2300 V according to DIN EN 50124 pt 1

WF 10/2BZ — 120 mm²

Screw thread M10



33.8 x 87.6 x 72.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	230	230	
120			
	8 kV / 3		
	/ V-0		
6...120 mm²			
6 to 120 mm²			
10...95 mm²			
10...95 mm²			

1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

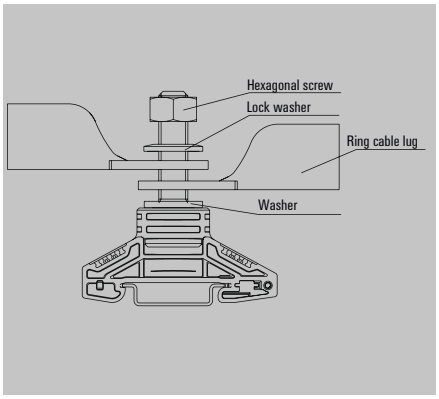
Type	Qty.	Order No.
WF 10/2BZ	10	1789790000

1000 VDC rated voltage tested.

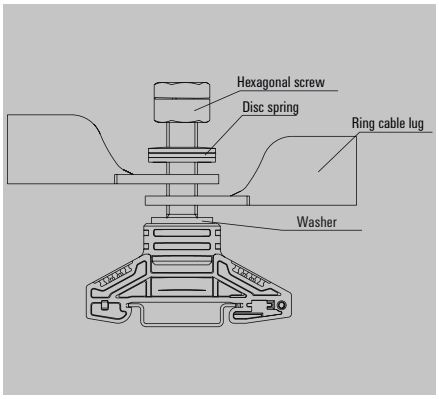
Type		Qty.	Order No.
WQL 2 WF10	269 A	5	1781010000
WQL 3 WF10	269 A	5	1781020000
WZAF 120	32 A	10	1066300000
WTW WF10/WF12		20	1780890000
WTW WF10/WF12 2300		20	1780920000
WEW 35/2		50	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000

With WTW...2300 made from epoxy resin, rated current 1500 V up to 70 mm² according to DIN EN 50124 pt 1

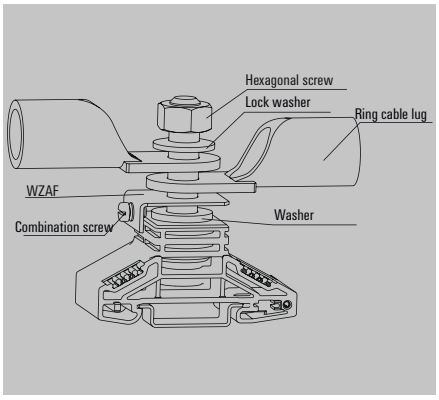
Stud connection series WF



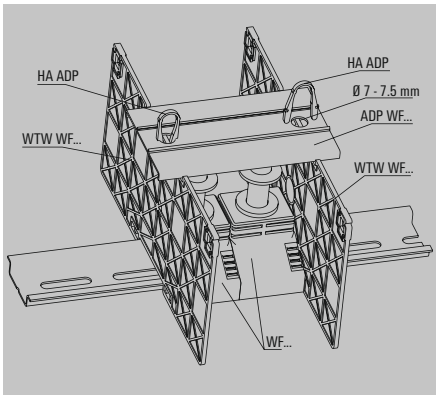
Stud connection series WF NFF



Auxiliary/control line connection WZAF



Application example



Structure to use cover profiles (ADP WF) on the partition plates (WTW WF) with the relevant holders (HA ADP).

Drilled holes for cover profiles 7–7.5 mm

Screw connection with stud technology
Feed-through terminal blocks – WF and WFF

	WFF 35	WFF 35 NFF
	35 mm²	35 mm²
	Screw thread M6	Screw thread M6
		
Width/Height/Depth mm	27 x 107 x 51	27 x 107 x 51
max. current / max. cond. cross-section A/mm²	150 / 50	125 / 50
Max. clamping range mm²	2.5...50	2.5...50

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	600	1100
Rated current A	125	115	130	109
for wire cross-section mm²	35	AWG 14...2	AWG 14...2	35 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals				KEMA 98ATEX1684 U
Clamped cable lugs				
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	2.5...50 mm² / 2.5 to 35 mm²			
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	6...25 mm² / 6...25 mm²			
Tightening torque (clamping screw for copper conductors)				
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Ex eb II C Gb II 2 G D

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	500			
Rated current A	125			
for wire cross-section mm²	35			
Rated impulse withstand voltage / Pollution severity				
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals	CE			
Clamped cable lugs				
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	2.5...50 mm² / 2.5 to 35 mm²			
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	6...25 mm² / 6...25 mm²			
Tightening torque (clamping screw for copper conductors)				
Note				

Ordering data

Version	Type	Qty.	Order No.
dark beige	WFF 35	10	1028300000
dark beige	WFF 35/AH	5	1029300000
Blue	WFF 35 BL	10	1028380000
Note	1000 VDC rated voltage tested.		

Version	Type	Qty.	Order No.
dark beige	WFF 35 NFF	5	1049220000
Note			

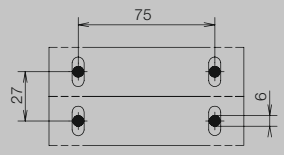
Accessories

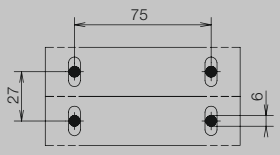
Cross-connector	Type		Qty.	Order No.
2-pole	WQL 2 WFF35	125 A	5	1064900000
3-pole	WQL 3 WFF35	125 A	5	1065400000
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 35	32 A	10	1070500000
Spacer				
dark beige	WTW WFF35		10	1067100000
End bracket				
dark beige	WEW 35/1		50	1059000000
Hood				
Hood, dark beige Wemid	WAH 35		20	1064460000
Marking tags				
Warning triangle for power supply terminals	WD 1 25 K KARTE A 6 ST		5	1563900000
	WS 12/6.5 MC NE WS		540	1609920000
For detailed information on other accessories and application in the online catalogue	WAH 35 in blue, Order no. 1064480000			

Cross-connector	Type		Qty.	Order No.
	WQL 2 WFF35	125 A	5	1064900000
	WQL 3 WFF35	125 A	5	1065400000
	WZAF 35	32 A	10	1070500000
	WTW WFF35		10	1067100000
	WEW 35/1		50	1059000000
	WAH 35		20	1064460000
	WD 1 25 K KARTE A 6 ST		5	1563900000
	WS 12/6.5 MC NE WS		540	1609920000
	WAH 35 in blue, Order no. 1064480000			

Technical drawing

Drilling template for direct mounting

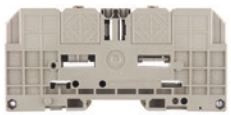




Fixing screw for direct mounting	Order No.
M6 x 16	1063700000

WFF 70 — 70 mm²

Screw thread M8



31.8 x 132 x 61
232 / 95
2.5...95

Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
192	175	170	167
70	AWG 14...0	AWG 14...0	70 mm²
	8 kV / 3		
	/ V-0		
			KEMA 98ATEX1684 U
2.5...95 mm² / 2.5...70 mm²			
16...70 mm² / 16...70 mm²			

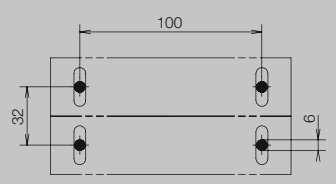
When connecting cable lugs (in accordance with DIN 46234) with 70 and 95 mm², the rated voltage is reduced to 800 V.

Type	Qty.	Order No.
WFF 70	10	1028400000
WFF 70/AH	5	1029400000
WFF 70 BL	10	1028480000

1000 V DC rated voltage tested. 1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

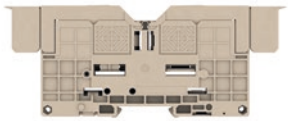
Type		Qty.	Order No.
WQL 2 WFF70	192 A	5	1065000000
WQL 3 WFF70	192 A	5	1065500000
WZAF 70	32 A	10	1066200000
WTW WFF70		10	1067200000
WEW 35/1		50	1059000000
WAH 70 BE		20	1064560000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 70 in blue, Order no. 1064580000



WFF 70 NFF — 70 mm²

Screw thread M8



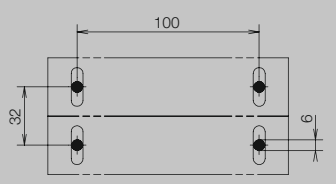
32 x 132 x 61
192 / 95
2.5...95

IEC	UL	CSA	EN 60079-7
500			
192			
70			
	/ V-0		
CE			
2.5...95 mm² / 2.5...70 mm²			
16...70 mm² / 16...70 mm²			

Type	Qty.	Order No.
WFF 70 NFF	5	1049230000

Type		Qty.	Order No.
WQL 2 WFF70	192 A	5	1065000000
WQL 3 WFF70	192 A	5	1065500000
WZAF 70	32 A	10	1066200000
WTW WFF70		10	1067200000
WEW 35/1		50	1059000000
WAH 70 BE		20	1064560000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 70 in blue, Order no. 1064580000



WFF 120 — 120 mm²

Screw thread M10



42 x 132 x 72
309 / 150
6...150

Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	310	310	234
120	AWG 10...250	AWG 10...250	120 mm²
	8 kV / 3		
	/ V-0		
			KEMA 98ATEX1684 U
6...150 mm² / 6 to 120 mm²			
16...150 mm² / 16...120 mm²			

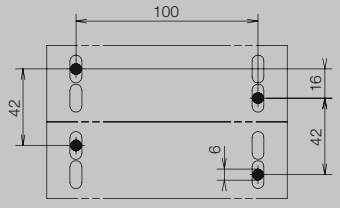
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WFF 120	5	1028500000
WFF 120/AH	4	1029500000
WFF 120 BL	5	1028580000

1000 VDC rated voltage tested.

Type		Qty.	Order No.
WQL 2 WFF120	269 A	5	1065100000
WQL 3 WFF120	269 A	5	1065600000
WZAF 120	32 A	10	1066300000
WTW WFF120		10	1067300000
WEW 35/1		50	1059000000
WAH 120		20	1064660000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 120 in blue, order No. 1064680000



	WFF 120 NFF	WFF 185
	120 mm²	185 mm²
	Screw thread M10	Screw thread M12
		
Width/Height/Depth mm	42 x 132 x 72.5	55 x 163 x 77.5
max. current / max. cond. cross-section A/mm²	269 / 150	415 / 240
Max. clamping range mm²	6...150	10...240

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	500			
Rated current A	269			
for wire cross-section mm²	120			
Rated impulse withstand voltage / Pollution severity				
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0	
Approvals	CE			
Clamped cable lugs				
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	6...150 mm² / 6 to 120 mm²			
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	16...150 mm² / 16...120 mm²			
Tightening torque (clamping screw for copper conductors)				
Note				

	IEC 60947-7-1		Ex eb II C Gb	II 2 G D
Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	600	1100
Rated current A	353	380	360	307
for wire cross-section mm²	185	AWG 8...500	AWG 8...500	185 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0	
Approvals				KEMA 98ATEX1684 U
Clamped cable lugs				
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	10...240 mm² / 10...185 mm²			
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	25...240 mm² / 25...185 mm²			
Tightening torque (clamping screw for copper conductors)				
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Ordering data

Version	Type	Qty.	Order No.
dark beige	WFF 120 NFF	4	1049240000
dark beige			
Blue			
Note			

Type	Qty.	Order No.
WFF 185	4	1028600000
WFF 185/AH	2	1029600000
WFF 185 BL	4	1028680000
1000 VDC rated voltage tested.		

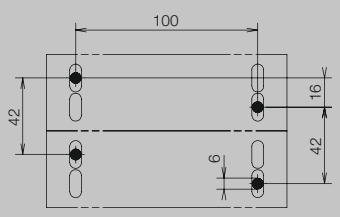
Accessories

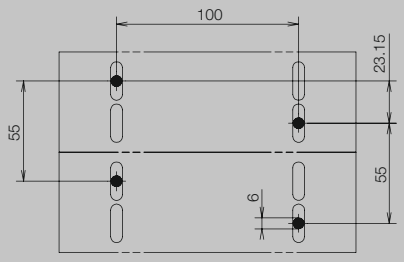
Cross-connector	Type		Qty.	Order No.
2-pole	WQL 2 WFF120	269 A	5	1065100000
3-pole	WQL 3 WFF120	269 A	5	1065600000
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 120	32 A	10	1066300000
Spacer				
dark beige	WTW WFF120		10	1067300000
End bracket				
dark beige	WEW 35/1		50	1059000000
Hood				
Hood, dark beige Wemid	WAH 120		20	1064660000
Marking tags				
Warning triangle for power supply terminals	WD 1 25 K KARTE A 6 ST		5	1563900000
	WS 12/6.5 MC NE WS		540	1609920000
For detailed information on other accessories and application in the online catalogue	WAH 120 in blue, order No. 1064680000			

Type		Qty.	Order No.
WQL 2 WFF185	353 A	5	1065200000
WQL 3 WFF185	353 A	5	1065700000
WZAF 185	32 A	10	1066400000
WTW WFF185/300		10	1067400000
WEW 35/1		50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000
WAH 185/300 in blue, Order no. 1064780000			

Technical drawing

Drilling template for direct mounting

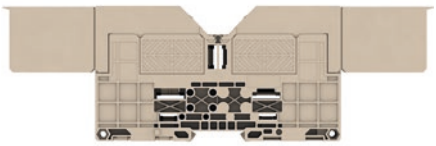




Fixing screw for direct mounting	Order No.
M6 x 16	1063700000

WFF 185 NFF — 185 mm²

Screw thread M12



55 x 163 x 77.2
353 / 240
10...240

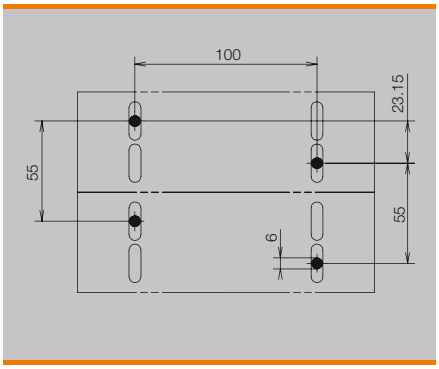


IEC	UL	CSA	EN 60079-7
500			
353			
185			
	/ V-0		
CE EAC			
10...240 mm² / 10...185 mm²			
25...240 mm² / 25...185 mm²			

Type	Qty.	Order No.
WFF 185 NFF	2	1049250000

Type		Qty.	Order No.
WQL 2 WFF185	353 A	5	1065200000
WQL 3 WFF185	353 A	5	1065700000
WZAF 185	32 A	10	1066400000
WTW WFF185/300		10	1067400000
WEW 35/1		50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 185/300 in blue, Order no. 1064780000



WFF 300 — 300 mm²

Screw thread M16



55 x 163 x 85.5
520 / 300
25...300

Ex eb II C Gb
II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
520	500	510	452
300	AWG 6...600	AWG 6...600	300 mm²
		8 kV / 3	
		/ V-0	
			KEMA 98ATEX1684 U
25...240 mm² / 25 to 240 mm²			
50...300 mm² / 50...300 mm²			

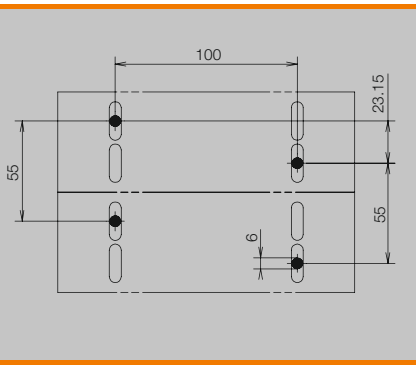
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WFF 300	4	1028700000
WFF 300/AH	2	1029700000

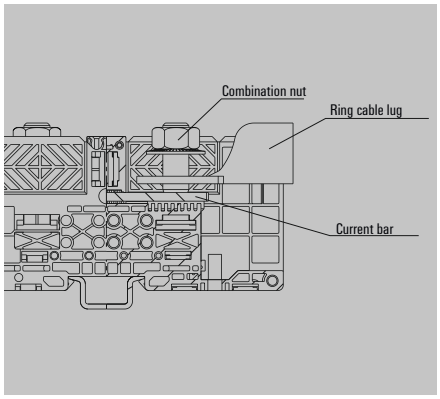
1000 VDC rated voltage tested.

Type		Qty.	Order No.
WQL 2 WFF300	520 A	5	1065300000
WQL 3 WFF300	520 A	5	1065800000
WZAF 300	32 A	10	1066500000
WTW WFF185/300		10	1067400000
WEW 35/1		50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000

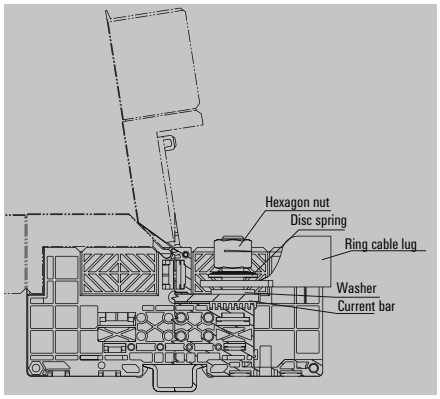
WAH 185/300 in blue, Order no. 1064780000



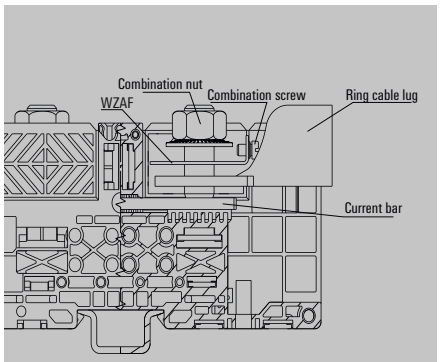
Stud connection series WFF



Stud connection series WFF NFF

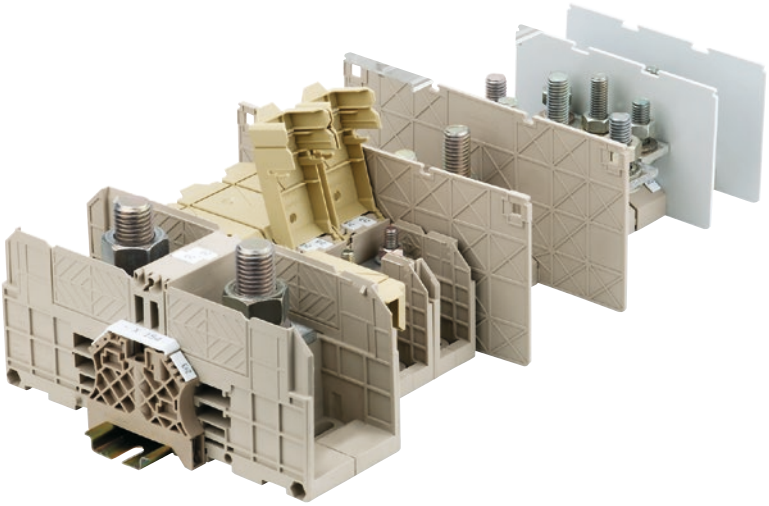


Auxiliary/control line connection WZAF



Stud terminals – Accessories

Series WF and WFF



Electrical distribution



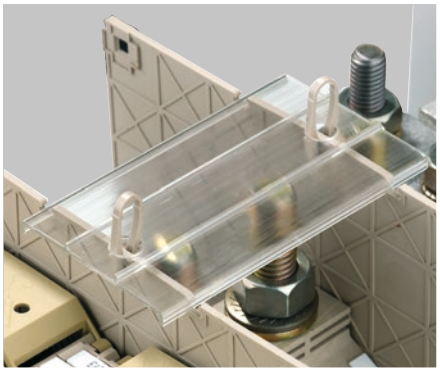
Electrical distribution can be realised between neighbouring stud terminals easily with 2 and 3 poles cross-connections. Cross-connections are also available for different thread sizes from M6 to M8 or M10. In the WFF two-stud terminals, firstly the partition plates have to be removed between the clamped supports. The thin web of material means they can be broken out easily to fit.

Shock protection



The two-stud terminals in the WF-Series offer, with an integrated hinge cover, a high degree of finger safety. When closed, the cover locks onto the terminal and protects the contact from accidental contact.

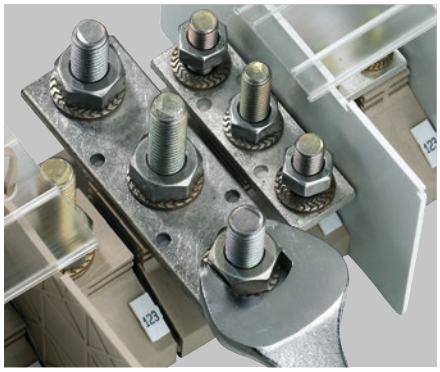
Shock protection / partition plates



Shock protection in the WF-Series is provided by partition plates WTW and transparent cover strips ADP. The cover strips are locked into the guides of the partition plates and held with clips to prevent them slipping to the side. Partition plates ensure compliance with the rated voltages:

- Voltage range up to 1000 V with partition plate WTW WF
- Voltage range up to 2300 V for WF with epoxy partition plate WTW WF 2300

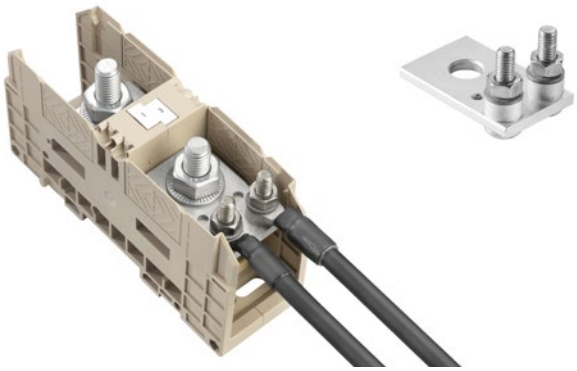
Connection



Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. A normal open-ended spanner can be used to tighten the hex screw and complete installation.

Potential distribution from stud terminal blocks M10 to 2 x M6

The potential distribution between adjacent stud terminal blocks can be implemented simply using 2- and 3-pole cross-connections, please consult products in the stud terminal chapter.
Reduced cross-sections are required for special applications. These so-called cross-connection lugs are offered accordingly for varying thread sizes from M6 to M10 with a wide range of combinations.

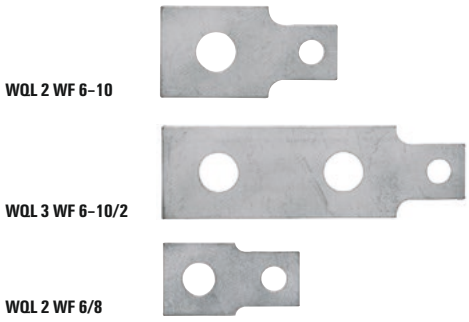


Ordering data

Type	Qty.	Order No.
SMSE WF10/2XM6	10	1868880000

Note	
	Hole diameter: 10 mm for M10 studs Stud terminals: WF 10... and WFF 120. The rated current is dependent on the test set-up.

WQL special cross-connection lugs for WF



Ordering data

Type	Depth	current	Clamping screw	Terminal screw, additional connection	Qty.	Order No.
WQL 2 WF6-10	4 mm	125 A	M 6	M 10	5	1806620000
WQL 3 WF6-10/2	4 mm	125 A	M 6	M 10	5	1806640000
WQL 2 WF6-8	4 mm	125 A	M 6	M 8	5	1808980000
WQL 4 WF8-6/3	4 mm	24 A	M 8	M 6	5	1904960000
Note						

WF - cross-connections for WF and WFF



Type	Poles	current	Qty.	Order No.
WF 5				
WQL 2 WF5	2	101 A	5	**1812710000**
WQL 3 WF5	3		5	**1812740000**
WF 6 & WF 6/2BZ				
WQL 2 WF6	2	125 A	5	**1780970000**
WF 8 & WF 8/2BZ				
WQL 2 WF8	2	150 A	5	**1780990000**
WQL 3 WF8	3	150 A	5	**1781000000**
WF 10 & WF 10/2BZ				
WQL 2 WF10	2	265 A	5	**1781010000**
WQL 3 WF10	3	265 A	5	**1781020000**
WF 12				
WQL 2 WF12	2	265 A	5	**1781030000**
WQL 3 WF12	3	265 A	5	**1781040000**
WFF 35				
WQL 3 WFF35	3	150 A	5	**1065400000**
WFF 70				
WQL 3 WFF70	3	232 A	5	**1065500000**
WFF 120				
WQL 3 WFF120	3	309 A	5	**1065600000**
WFF 185				
WQL 3 WFF185	3	415 A	5	**1065700000**
WFF 300				
WQL 3 WFF300	3	520 A	5	**1065800000**
WF 6 & WF 6/2BZ				
WQL 3 WF6	3	125 A	5	**1780980000**
WF 10 & WF 10/2BZ				
WQL 4 WF10	4		5	**1027840000**
WFF 35				
WQL 2 WFF35	2	150 A	5	**1064900000**
WFF 70				
WQL 2 WFF70	2	232 A	5	**1065000000**
WFF 120				
WQL 2 WFF120	2	309 A	5	**1065100000**
WFF 185				
WQL 2 WFF185	2	415 A	5	**1065200000**
WFF 300				
WQL 2 WFF300	2	520 A	5	**1065300000**

WF-Series partition plates



Type	Colour	Width	Qty.	Order No.
WTW WF6-WF12	dark beige	2.5 mm	20	**1781240000**
WTW WF6	dark beige	3 mm	20	**1781220000**
WTW WF8	dark beige	3 mm	20	**1780900000**
WTW WF10/WF12	dark beige	3 mm	20	**1780890000**

WFF-Series partition plates



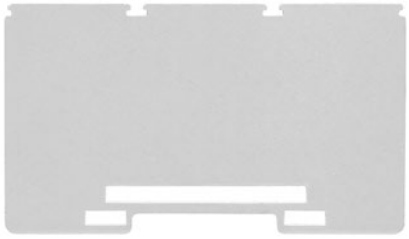
Type	Colour	Width	Qty.	Order No.
WTW WFF35	grey	2 mm	10	**1067100000**
WTW WFF70	grey	2 mm	10	**1067200000**
WTW WFF120	grey	2 mm	10	**1067300000**
WTW WFF185/300	grey	2 mm	10	**1067400000**

WFF series cover hoods



Type	Colour	Width	Qty.	Order No.
WAH 35	beige	26 mm	20	**1064460000**
WAH 70 BE	beige	31 mm	20	**1064560000**
WAH 120	beige	41 mm	20	**1064660000**
WAH 185/300 BE	beige	54 mm	10	**1064760000**

WF-Series 2300 V partition plates



Type	Colour	Width	Qty.	Order No.
WTW WF6 2300	grey	2 mm	20	**1781230000**
WTW WF8 2300	grey	2 mm	20	**1780910000**
WTW WF10/WF12 2300	grey	2 mm	20	**1780920000**

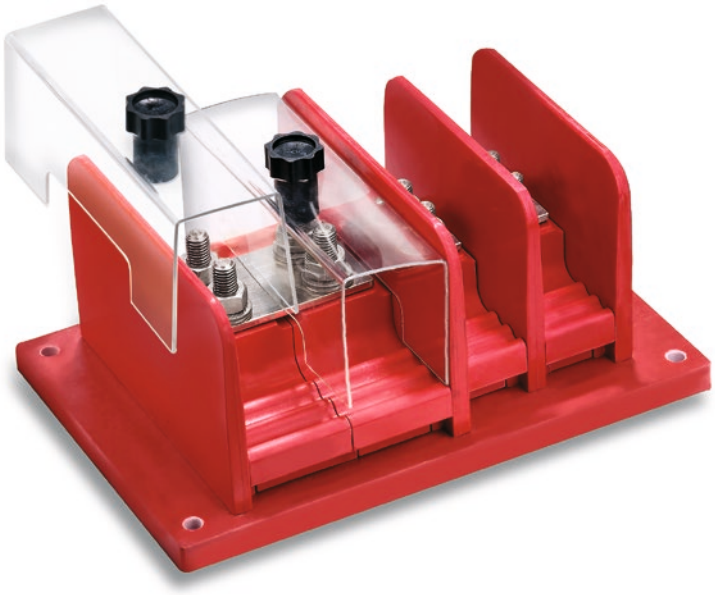
Warning triangle for power supply terminal blocks



Type	Colour	Width	Qty.	Order No.
WD 1 25 K KARTE A 6 ST		20.5 mm	5	**1563900000**

Stud terminals

Series ST 4000



For especially high electric and mechanical demands

- Voltage ranges up to 4000 V and currents up to 415 A
- For extreme requirements, especially in railway applications

Shock protection



Stud terminals in the ST 4000 series offer an ideal cover for every version. The polycarbonate cover is placed between the partition plates and fastened to the stud with the plastic-coated fixing nut.

Fixing nuts are available to fit every stud size.

Potential distribution



When two neighbouring ST 4000 terminals have the same current, cross-connectors are fitted instead of the busbar.

The pairs of holes in the cross-connection are rated exactly to the spacing of ST 4000.

Here the partition plate has to be replaced by the connecting piece ST 4000/S C130 or ST 4000/L C160.

Cross-connections are available as 2-, 3-, or 4-poles.

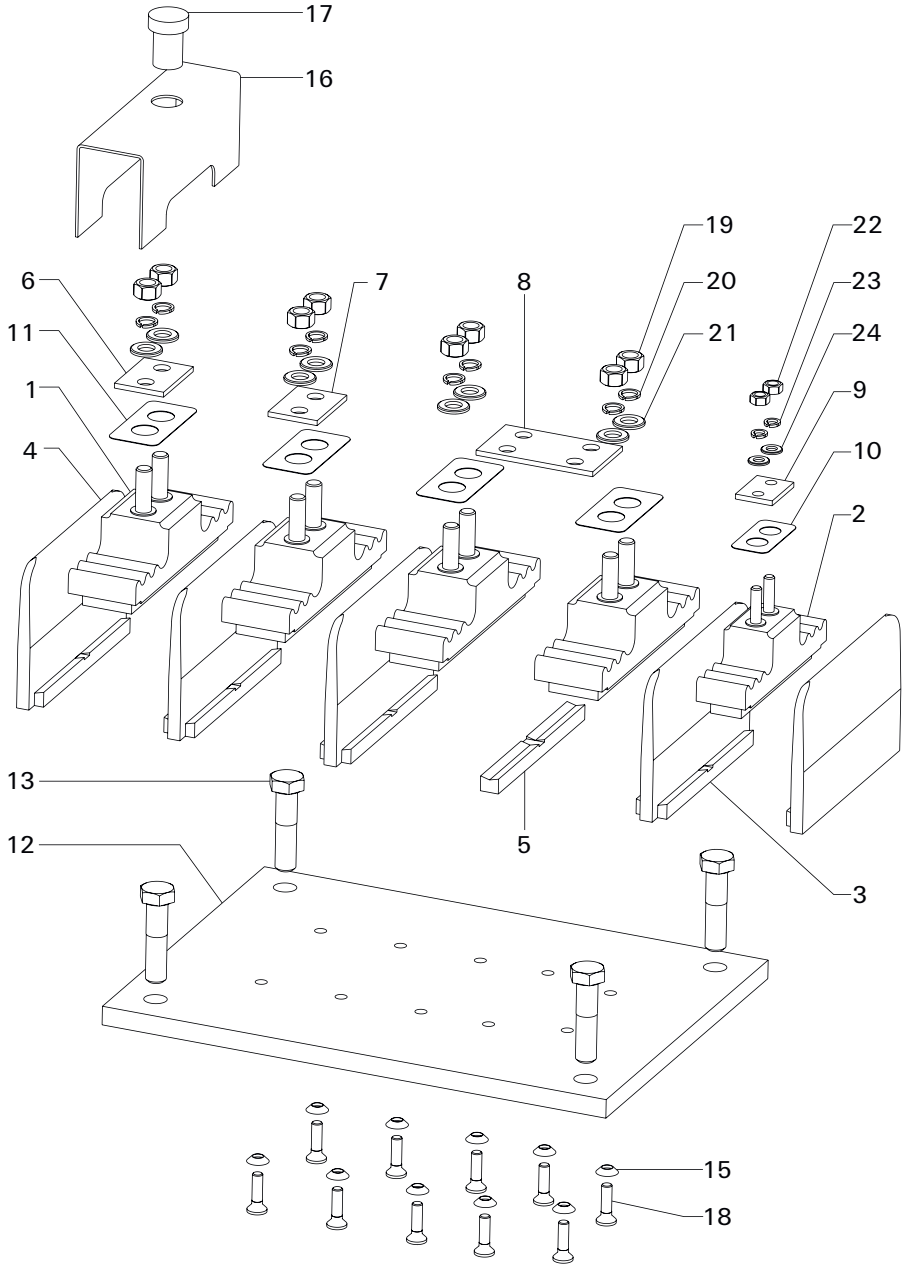
Connection



Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. Tighten the steel hexagonal nut to ensure good contact between cable lug and busbar.

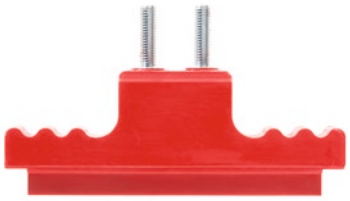
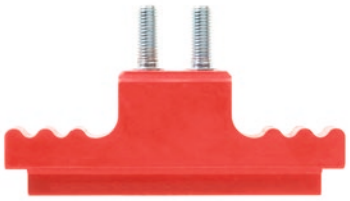
The same principle applies when two cable lugs contact on one stud or slotted hole cable lugs are used.

Slotted hole cable lugs can also be placed over both studs.



Modular System

1	Stud terminal ST 4000/L (large)
2	Stud terminal ST 4000/S (small)
3	Partition
4	Endplate
5	Coupling block
6/7/9	Current bar
8	Cross connection
10/11	Marking plate
12	Isulating mounting base (customerspecific)
13	Studs and washers for the isulating mounting base (not part of the delivery)
15/18	Studs and washers to fix the terminals on the isulating mounting base
19-24	Studs and washers (Fa. Teckentrup)

	ST 4000/S M8	ST 4000/S M10
	95 mm²	185 mm²
	Screw thread M8	Screw thread M10
		
Width/Height/Depth mm	40 x 150 x 56	40 x 150 x 56
max. current / max. cond. cross-section A	**315 / 95**	**500 / 185**
Max. clamping range mm²	**6...95**	**16...185**
	EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242	EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	4000				4000			
Rated current A	315				500			
for wire cross-section mm²	95				185			
Rated impulse withstand voltage / Pollution severity			25 kV / 3				25 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0				/ V-0	
Approvals								
Clamped cable lugs								
Cable lug to DIN 46234								
2 x cable lugs DIN 46 234								
Cable lug to DIN 46235								
2 x cable lugs DIN 46 235								
Tightening torque, max.	6...95 mm²				16...185 mm²			
	18 Nm				35 Nm			
Note	Rated voltage when using cable lugs according to DIN 46235				Rated voltage when using cable lugs according to DIN 46235			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
with inner thread	ST 4000/S M8 F	1	**2743180000**	ST 4000/S M10 F	1	**2743190000**
red	ST 4000/S M8	1	**2563830000**	ST 4000/S M10	1	**2563860000**
Note	1000 VDC rated voltage tested.Weidmüller produces drawings of the customer-specific ST 4000 application.			1000 VDC rated voltage tested.Weidmüller produces drawings of the customer-specific ST 4000 application.		

Accessories

Cross-connector	Type	Qty.	Order No.	Type	Qty.	Order No.
2-pole	ST 4000/S J2 M8	1	**2564010000**			
3-pole	ST 4000/S J3 M8	1	**2564020000**			
4-pole						
Busbar						
M12 / 6 mm thick						
M8 / 4 mm thick	ST 4000/S CB M8/4	1	**2563950000**			
M10 / 4 mm thick				ST 4000/S CB M10/4	1	**2563960000**
M10 / 6 mm thick				ST 4000/S CB M10/6	1	**2563970000**
Connecting piece						
160 mm length						
130 mm length	ST 4000/S C130	1	**2563930000**	ST 4000/S C130	1	**2563930000**
Spacer						
180 mm length						
150 mm length	ST 4000/S P150	1	**2563890000**	ST 4000/S P150	1	**2563890000**
End partition						
180 mm length						
150 mm length	ST 4000/S E150	1	**2563910000**	ST 4000/S E150	1	**2563910000**
Touch-safe protection						
180 mm length						
150 mm length	ST 4000/S S150	1	**2564170000**	ST 4000/S S150	1	**2564170000**

For detailed information on other accessories and application in the online catalogue

ST 4000/L M12 — 240 mm²

Screw thread M12



55 x 180 x 56

560 / 240

16...240

EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242

IEC	UL	CSA	EN 60079-7
4000			
560			
240			
	25 kV / 3		
	/ V-0		
16...240 mm²			
35 Nm			

Rated voltage when using cable lugs according to DIN 46235

For assembly planning and accessories, please contact our customer-specific solutions division. Also see Chapter V – Weidmüller Solutions & Services.

Type	Qty.	Order No.
ST 4000/L M12 F	1	2743200000
ST 4000/L M12	1	2563880000

1000 VDC rated voltage tested.Weidmüller produces drawings of the customer-specific ST 4000 application.

Type	Qty.	Order No.
ST 4000/L J2 M12	1	2564100000
ST 4000/L J3 M12	1	2564110000
ST 4000/L J4 M12	1	2564120000
ST 4000/L CB M12/6	1	2564000000
ST 4000/L C160	1	2563940000
ST 4000/L P180	1	2563900000
ST 4000/L E180	1	2563920000
ST 4000/L S180	1	2564180000

	HV2700/2-M12 F	185 mm²	HV2700/3-M12 F	185 mm²
	Screw thread M12		Screw thread M12	
				
Width/Height/Depth mm	180 x 220 x 90		240 x 220 x 90	
max. current / max. cond. cross-section A	**600 / 185**		**600 / 185**	
Max. clamping range mm²	**10...185**		**10...185**	

Technical data

Rated data with Wemid partition wall							
Rated voltage V	EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242				EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242		
Rated current A	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section mm²	2700				2700			
	600				600			
	185				185			
Rated impulse withstand voltage / Pollution severity			25 kV / 3				25 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0				/ V-0	
Approvals								
Clamped cable lugs								
Cable lug to DIN 46234	10...185 mm²				10...185 mm²			
2 x cable lugs DIN 46 234								
Cable lug to DIN 46235								
2 x cable lugs DIN 46 235								
Tightening torque, max.	35 Nm				35 Nm			
Note	In projects up to 1000 A rated current possible.				In projects up to 1000 A rated current possible.			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
with inner thread	HV2700/2-M12 F	1	**2540680000**	HV2700/3-M12 F	1	**2540690000**
Note						

For detailed information on other accessories and application in the online catalogue

HV4000/2-M12 F — 240 mm²

Screw thread M12



180 x 220 x 96.1
600 / 240
10...240

EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242

IEC	UL	CSA	EN 60079-7
4000			
600			
240			
	30 kV / 3		
	/ V-0		
10...240 mm²			
65 Nm			

In projects up to 1000 A rated current possible.

Type	Qty.	Order No.
HV4000/2-M12 F	1	2496040000

HV4000/3-M12 F — 240 mm²

Screw thread M12



240 x 220 x 96.1
600 / 240
10...240

EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242

IEC	UL	CSA	EN 60079-7
4000			
600			
240			
	30 kV / 3		
	/ V-0		
10...240 mm²			
65 Nm			

In projects up to 1000 A rated current possible.

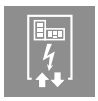
Type	Qty.	Order No.
HV4000/3-M12 F	1	2496050000

For assembly planning and accessories, please contact our customer-specific solutions division. Also see Chapter V – Weidmüller Solutions & Services.



Application range

Application range

Application fields in the panel		B.2
Power feed-in		B.4
	PUSH IN connection	B.6
	Screw connection	B.24
Power distribution		B.46
	Hybrid connection	B.48
	Screw connection	B.50
	PUSH IN connection	B.90
	Tension clamp connection	B.91
Control voltage distribution		B.94
	PUSH IN connection	B.96
Instrument transformer wiring		B.122
	TTB Range	B.124
	Tension clamp connection	B.146
	Screw connection	B.148
	Threaded stud connection	B.168
Signal wiring		B.170
	PUSH IN connection	B.172
	Tension clamp connection	B.174
	Screw connection	B.176
Signal marshalling		B.180
	PUSH IN connection	B.182
	Screw connection	B.186
Shielding and earthing		B.196
	Shield clamping saddle	B.202
	Potential equalisation terminal block	B.216
	Functional earth	B.219
	Earth conductor disconnect terminals	B.234
Building installation wiring		B.236
	PUSH IN connection	B.238
	Tension clamp connection	B.278
	Screw connection	B.286

Panel building requires innovative ideas

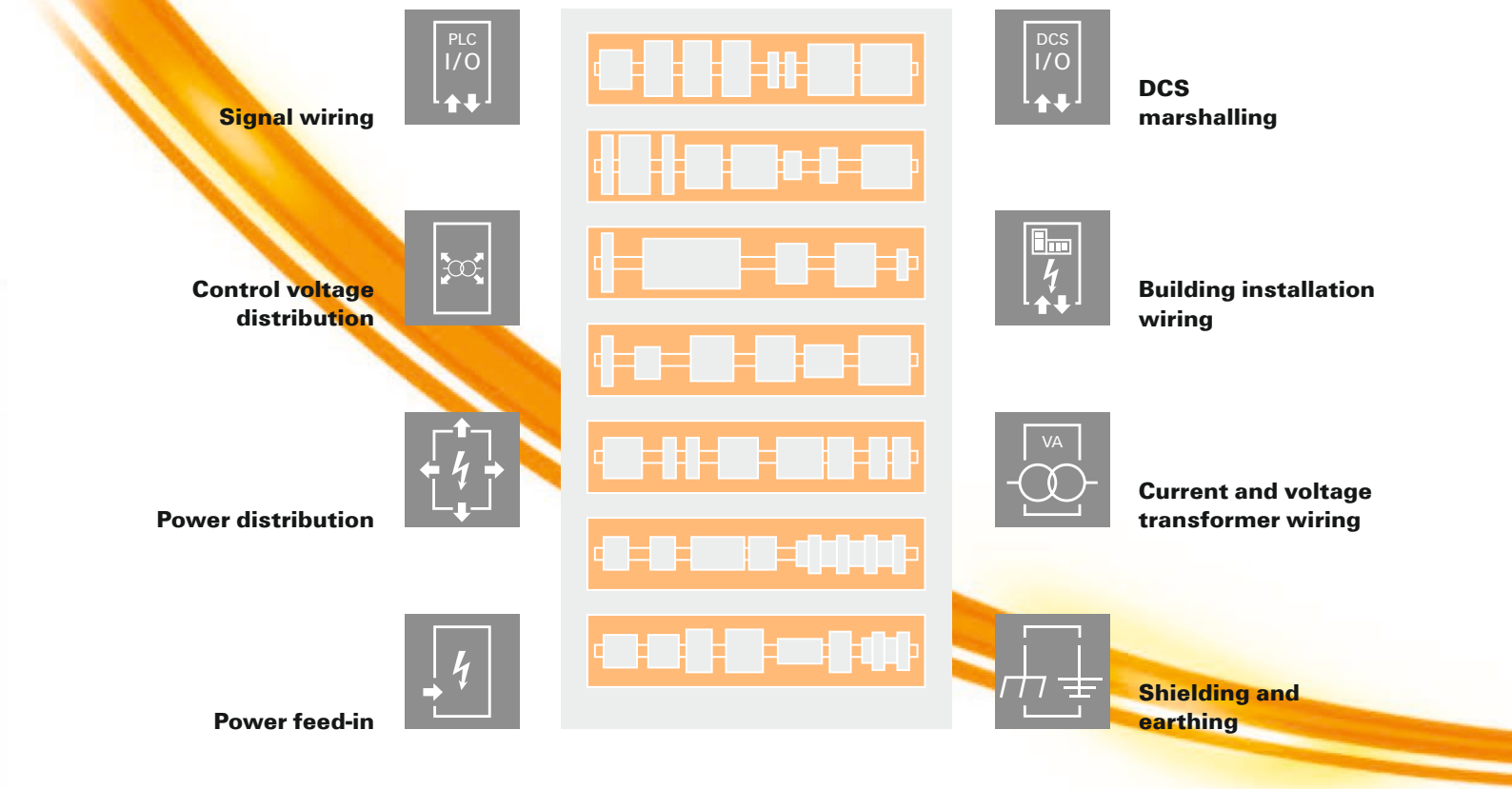
Klippon® Connect delivers pioneering connectivity solutions

While panels are indeed configured individually, various recurring application fields within the panel are a permanent fixture in almost all industries.

We have identified and developed special solutions for these application fields. By purposefully structuring and adapting the product functions to the respective requirements, our needs-based application products decisively help to boost your productivity, efficiency and safety at all stages of the panel building process.

Our promise

Our tailored application range guarantees substantial efficiency benefits at every individual stage of the process and leads to unbeatable productivity gains in your panel building operations.





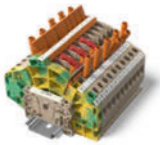
Power feed-in
Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.



Power distribution
You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.



Control voltage distribution
Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.



Current and voltage transformer wiring
Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.



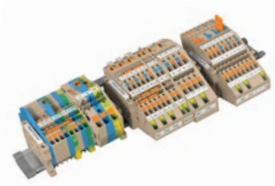
Signal wiring
Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.



Signal marshalling
Our innovative PRV terminal blocks for Signal marshalling featuring a PUSH IN connection and our multifunctional Signal marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.



Shielding and earthing
Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields.
A comprehensive range of accessories rounds off our range.



Building installation wiring
For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

Reliable and efficient power supply

Really convenient with Klippon® Connect

More and more components need to be housed in switchgear and panels within a confined space. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient and space-saving.

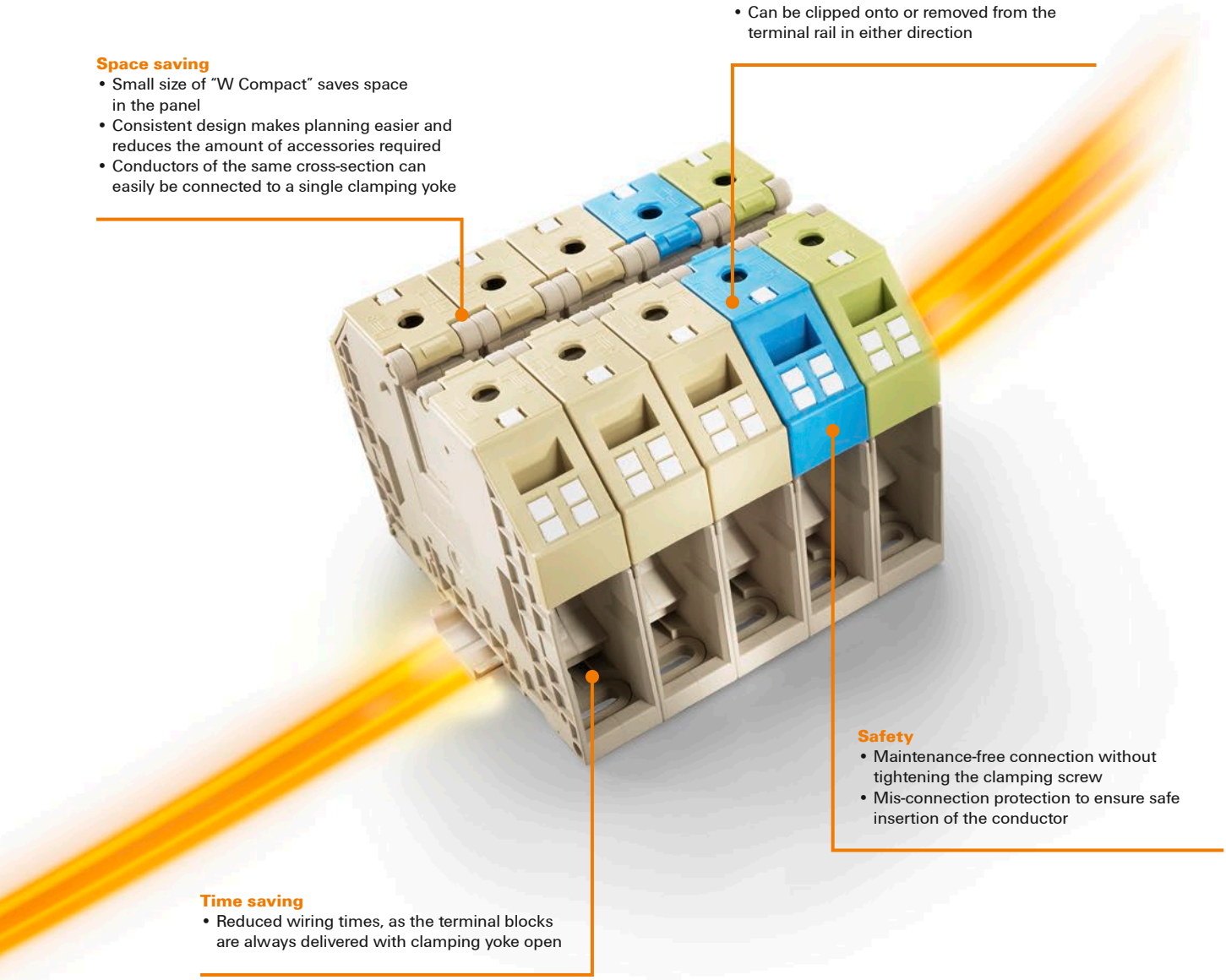
Our promise

The feed-in of power to switchgear and panels is much easier with Klippon® Connect: our connection solutions ensure reduced wiring work and efficient processes. The compact design means you save space and money, whilst increasing productivity on a sustainable basis.



Flexibility
- Best connections in standard and compact models
- Can be clipped onto or removed from the terminal rail in either direction

Space saving
- Small size of "W Compact" saves space in the panel
- Consistent design makes planning easier and reduces the amount of accessories required
- Conductors of the same cross-section can easily be connected to a single clamping yoke



Safety
- Maintenance-free connection without tightening the clamping screw
- Mis-connection protection to ensure safe insertion of the conductor

Time saving
- Reduced wiring times, as the terminal blocks are always delivered with clamping yoke open

Our range



Wide range – safe connections:
In confined spaces, our compact terminal blocks with proven clamping yoke technology increase convenience and enable perfect connections. The strong force of the clamping yoke spring ensures vibration-resistant contacting and compensates for the relaxation in the connected conductor.



Cost-effective and robust:
Under harsh environmental conditions with high levels of vibration and shock, such as in traffic engineering, our terminal blocks using stud technology offer excellent safety. With robust workmanship and flexible accessories, our stud terminals meet the requirements for safe, reliable power transfer.

Reliable and efficient power supply

Klippon® Connect A2C 35 high-current terminal blocks

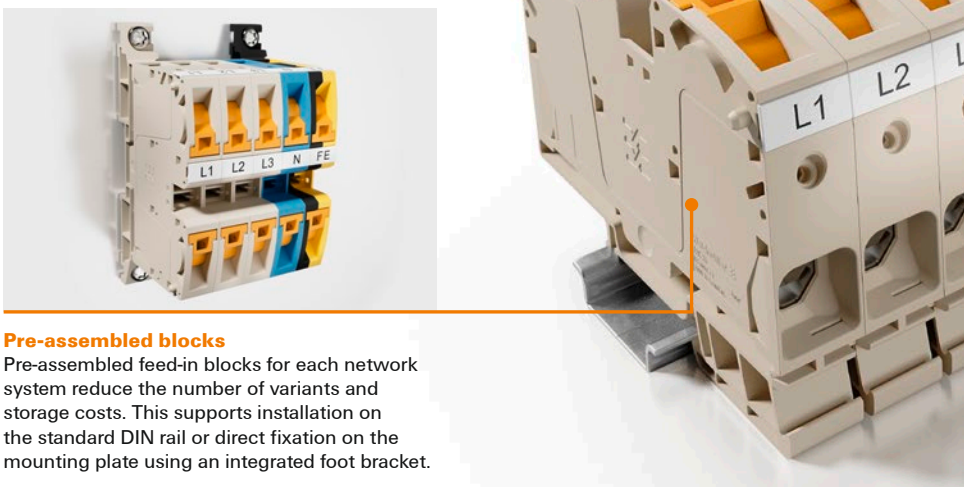
The industrial environment requires more and more flexible and efficient wiring of power consumers, without compromising a consistently high level of process reliability.

Our new A2C 35 high-current terminal blocks meet these requirements. The PUSH IN-Power connection and many other features enable safe and efficient wiring. They are available in a wide range of variants, including for the DIN rail, for direct mounting on mounting plates, and pre-assembled blocks for different network systems.

Find out more:

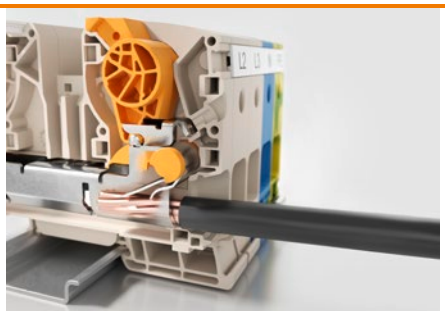
Discover all the details in the video. The new high-current terminal blocks A2C 35 with PUSH IN-Power connection:
www.weidmueller.com/pushin-power

More on the benefits Klippon® Connect provides in planning, installation and operation:
www.klippon-connect.com

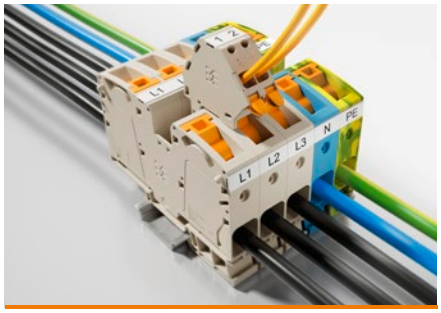


Pre-assembled blocks
Pre-assembled feed-in blocks for each network system reduce the number of variants and storage costs. This supports installation on the standard DIN rail or direct fixation on the mounting plate using an integrated foot bracket.

Innovative PUSH IN-Power connection
With the innovative PUSH IN-Power connection several compression springs provide a safe, gas-tight and vibration-proof Connection of the conductor. The mechanism provides high clamping forces with low operation forces for optimal operation. A uniformly scaled system, which can be found in the cross-sections of 35 mm^2 to 185 mm^2 ensures maximum contact forces. Precisely matched accessories such as screwdrivers simplify wiring and installation. (Order No. 2749380000)



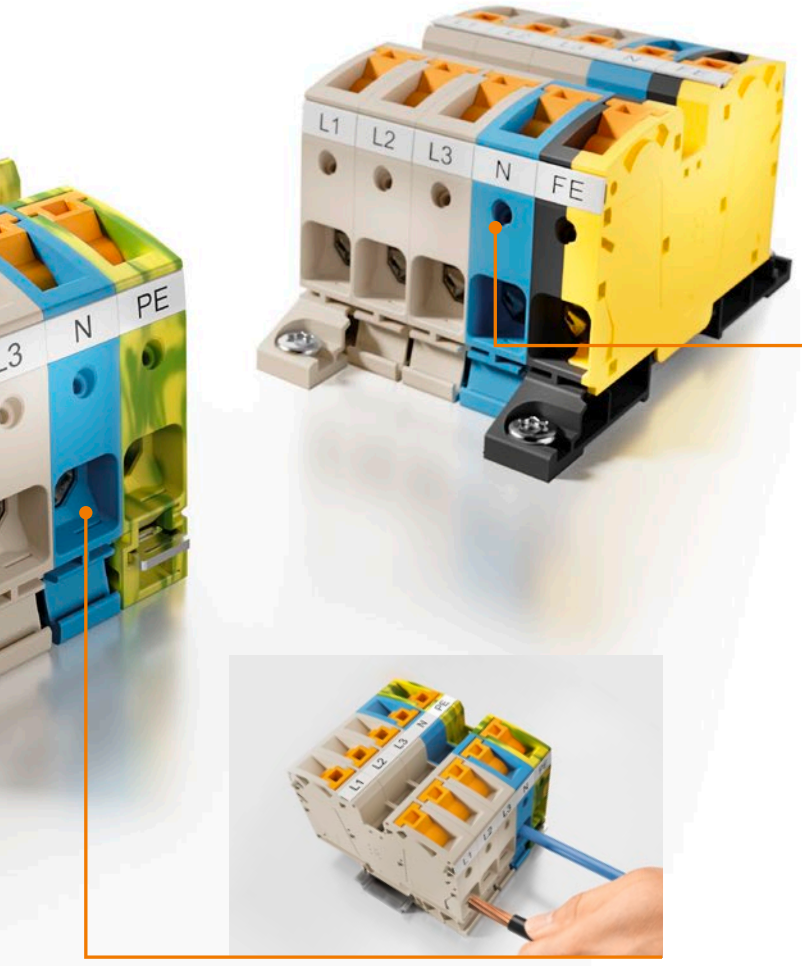


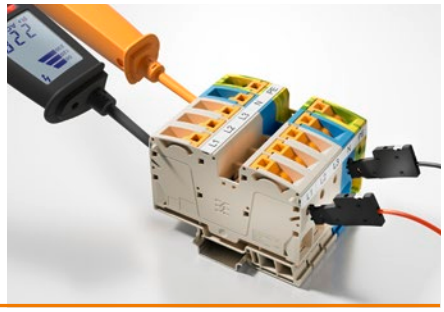


Additional connection for emergency power supply
The additional connection enables a separate voltage tap. One possible use is as an emergency power supply upstream of the main switch. The lever mechanism enable toolless wiring of flexible conductors.



Efficient potential distribution
Step-down bridges allow potential distribution to cross-sections of 10 mm² and 16 mm². Additional power distributions implement quickly into the panel while avoiding additional wiring.





Standardised testing options
A standard 2.0 mm diameter test tap allows easy and fast testing. Standardised accessories guarantee use in the cross-section ranges from 1.5 mm² to 185 mm² and ensure a streamline portfolio of accessories.

Tool-free wiring
Proven PUSH IN technology and therefore simple and fast wiring are now also available in cross-section ranges above 16 mm². When the lever is closed, the rigid stranded conductor can be plugged in directly and tool-free, thus guaranteeing reliable contacting.



Identification of external voltage
Large-area marker tags direct attention to an external voltage applied. The attachment of the flash markers in the connection ranges from 35 mm² to 185 mm² additionally prevent wiring in live condition. This ensures greater safety for man and machine.

Power feed-in
PUSH IN connection

Terminal blocks for rail mounting

	A2C 35	A2C 35 FE
	35 mm²	35 mm²
		
Width/Height/Depth mm	16 x 101.5 x 71.5	16 x 101.5 x 71.5
max. current / max. cond. cross-section A/mm²	**125 / 35**	**125 / 35**
Max. clamping range mm²	**2.5...35** 	**2.5...35** 

Technical data

	A2C 35	A2C 35 FE
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Stripping length / Blade size mm/-		

IEC	UL	CSA	EN 60079-7
1000	1000		880
125	113		105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

IEC	UL	CSA	EN 60079-7
1000	1000		880
125			105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2C 35	10	**2551510000**
Blue	A2C 35 BL	10	**2552090000**
Green/yellow			
yellow/black			

Type	Qty.	Order No.
A2C 35 FE	10	**2551530000**

Note

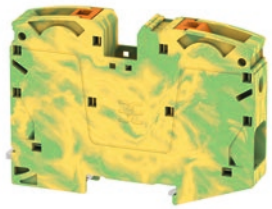
Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 35N/2	125 A	10	**2634950000**
2-pole	ZQV 35N-10	57 A	10	**2562670000**
2-pole	ZQV 35N-16	76 A	10	**2562660000**
Additional tap				
dark beige	AAC 35 2X6	42 A	5	**2583090000**
blue	AAC 35 2X6 BL	42 A	5	**2583170000**
black/yellow	AAC 35 2X6 BK-YL	42 A	5	**2583190000**
green/yellow	AAC 35 2X6 GN-YL		5	**2583180000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Warning labels				
	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags				
	WS-A 8/16 MM WS		200	**2619910000**

	Type		Qty.	Order No.
	ZQV 35N/2	125 A	10	**2634950000**
	ZQV 35N-10	57 A	10	**2562670000**
	ZQV 35N-16	76 A	10	**2562660000**
	AAC 35 2X6	42 A	5	**2583090000**
	AAC 35 2X6 BL	42 A	5	**2583170000**
	AAC 35 2X6 BK-YL	42 A	5	**2583190000**
	AAC 35 2X6 GN-YL		5	**2583180000**
	AEB 35 SC/1		50	**1991920000**
	AEB 35 SCL/1 V0		20	**2661280000**
	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	PS 2.0 MC		20	**0310000000**
	SDS 1.0X5.5X150		1	**2749380000**
	AAM 35-185 YE FLASH		40	**2635600000**
	WS-A 8/16 MM WS		200	**2619910000**

For detailed information on other accessories and application in the online catalogue

A2C 35 PE — 35 mm²



16 x 101 x 71.5
/ 35
2.5...35



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1000	1000		
35	AWG 12...2		35 mm²
	/ 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 PE	10	**2551520000**

Type		Qty.	Order No.
AAC 35 2X6 GN-YL		5	**2583180000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
WS-A 8/16 MM WS		200	**2619910000**

A2C 35 DM — 35 mm²



16 x 135 x 71.5
125 / 35
2.5...35



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		880
125	113		105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 DM	10	**2551550000**
A2C 35 BL DM	10	**2552150000**

Type		Qty.	Order No.
ZQV 35N/2	125 A	10	**2634950000**
ZQV 35N-10	57 A	10	**2562670000**
ZQV 35N-16	76 A	10	**2562660000**
AAC 35 2X6	42 A	5	**2583090000**
AAC 35 2X6 BL	42 A	5	**2583170000**
AAC 35 2X6 BK-YL	42 A	5	**2583190000**
AAC 35 2X6 GN-YL		5	**2583180000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

A2C 35 FE DM — 35 mm²



16 x 135 x 71.5
125 / 35
2.5...35



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		880
125			105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 FE DM	10	**2552160000**

Type		Qty.	Order No.
ZQV 35N/2	125 A	10	**2634950000**
ZQV 35N-10	57 A	10	**2562670000**
ZQV 35N-16	76 A	10	**2562660000**
AAC 35 2X6	42 A	5	**2583090000**
AAC 35 2X6 BL	42 A	5	**2583170000**
AAC 35 2X6 BK-YL	42 A	5	**2583190000**
AAC 35 2X6 GN-YL		5	**2583180000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

Power feed-in
PUSH IN connection

Terminal blocks for rail mounting

	A2C 35 3FT	35 mm²	A2C 35 3FT-FE	35 mm²





Width/Height/Depth	48 x 101.5 x 71.5	64 x 101.5 x 71.5
max. current / max. cond. cross-section	125 / 35	125 / 35
Max. clamping range	2.5...35	2.5...35

Technical data

Rated data					IEC 60947-7-1			
					IEC	UL	CSA	EN 60079-7
Rated voltage	V				1000	1000		880
Rated current	A				125	113		105
for wire cross-section	mm²				35	AWG 12...2		35 mm²
Rated impulse withstand voltage / Pollution severity						8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating						/ V-0		
Approvals								TUEV16ATEX7909U
Clamped conductors (H05V/H07V)					**Rated connection**			
Solid / Stranded	mm²				2.5...16 / 10...35			
Flexible / Flexible with ferrule	mm²				10...35 / 2.5...35			
Stripping length / Blade size	mm/-				25 / 1.0 x 5.5 mm			
Note								

	IEC 60947-7-1, IEC 60947-7-2			
	IEC	UL	CSA	EN 60079-7
	1000	1000		880
	125	113		105
	35	AWG 12...2		35 mm²
		8 kV / 3		
		/ V-0		
				TUEV16ATEX7909U
Rated connection				
	2.5...16 / 10...35			
	10...35 / 2.5...35			
	25 / 1.0 x 5.5 mm			

Ordering data

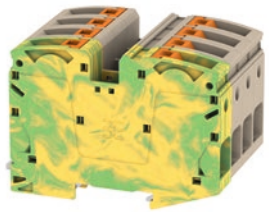
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	A2C 35 3FT	1	**2552100000**			
dark beige, blue	A2C 35 3FT-N	1	**2552130000**			
dark beige, black/yellow				A2C 35 3FT-FE	1	**2552110000**
dark beige, blue, black/yellow				A2C 35 3FT-N-FE	1	**2552140000**
dark beige, green/yellow						
dark beige, blue, green/yellow						
Note						

Accessories

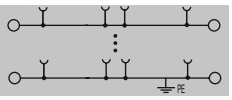
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 35N/2	125 A	10	**2634950000**	ZQV 35N/2	125 A	10	**2634950000**
2-pole	ZQV 35N-10	57 A	10	**2562670000**	ZQV 35N-10	57 A	10	**2562670000**
2-pole	ZQV 35N-16	76 A	10	**2562660000**	ZQV 35N-16	76 A	10	**2562660000**
Additional tap								
dark beige	AAC 35 2X6	42 A	5	**2583090000**	AAC 35 2X6	42 A	5	**2583090000**
blue	AAC 35 2X6 BL	42 A	5	**2583170000**	AAC 35 2X6 BL	42 A	5	**2583170000**
black/yellow	AAC 35 2X6 BK-YL	42 A	5	**2583190000**	AAC 35 2X6 BK-YL	42 A	5	**2583190000**
green/yellow	AAC 35 2X6 GN-YL		5	**2583180000**	AAC 35 2X6 GN-YL		5	**2583180000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDS 1.0X5.5X150		1	**2749380000**	SDS 1.0X5.5X150		1	**2749380000**
Warning labels								
	AAM 35-185 YE FLASH		40	**2635600000**	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags								
	WS-A 8/16 MM WS		200	**2619910000**	WS-A 8/16 MM WS		200	**2619910000**

For detailed information on other accessories and application in the online catalogue

A2C 35 3FT-PE — 35 mm²



80 x 101.5 x 71.5
125 / 35
2.5...35



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1000	1000		880
125	113		105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

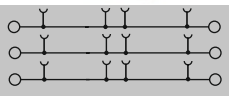
Type	Qty.	Order No.
A2C 35 3FT-PE	1	2552120000
A2C 35 3FT-N-PE	1	2551540000

Type		Qty.	Order No.
ZQV 35N/2	125 A	10	2634950000
ZQV 35N-10	57 A	10	2562670000
ZQV 35N-16	76 A	10	2562660000
AAC 35 2X6	42 A	5	2583090000
AAC 35 2X6 BL	42 A	5	2583170000
AAC 35 2X6 BK-YL	42 A	5	2583190000
AAC 35 2X6 GN-YL		5	2583180000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000

A2C 35 3FT DM — 35 mm²



48 x 135 x 71.5
125 / 35
2.5...35



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		880
125	113		105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

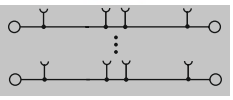
Type	Qty.	Order No.
A2C 35 3FT DM	1	2552170000
A2C 35 3FT-N DM	1	2552190000

Type		Qty.	Order No.
ZQV 35N/2	125 A	10	2634950000
ZQV 35N-10	57 A	10	2562670000
ZQV 35N-16	76 A	10	2562660000
AAC 35 2X6	42 A	5	2583090000
AAC 35 2X6 BL	42 A	5	2583170000
AAC 35 2X6 BK-YL	42 A	5	2583190000
AAC 35 2X6 GN-YL		5	2583180000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000

A2C 35 3FT-FE DM — 35 mm²



64 x 135 x 71.5
125 / 35
2.5...35



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1000	1000		880
125	113		105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		
			TUEV16ATEX7909U

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 3FT-FE DM	1	2552180000
A2C 35 3FT-N-FE DM	1	2552200000

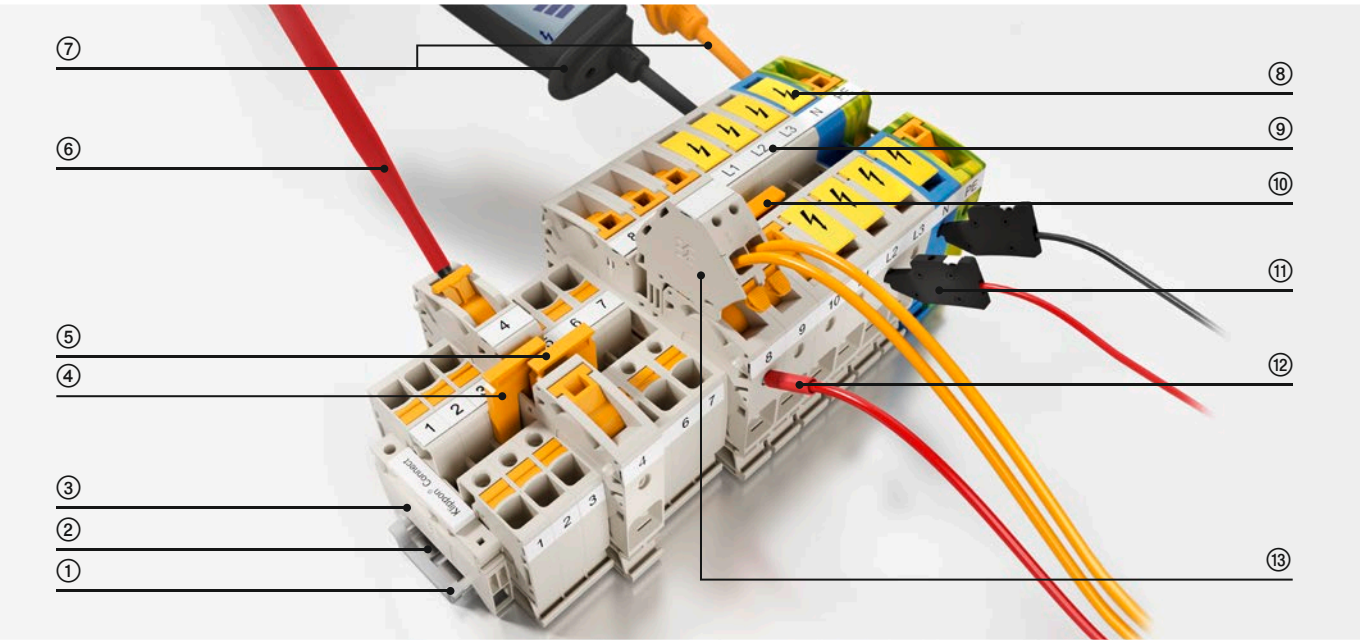
Type		Qty.	Order No.
ZQV 35N/2	125 A	10	2634950000
ZQV 35N-10	57 A	10	2562670000
ZQV 35N-16	76 A	10	2562660000
AAC 35 2X6	42 A	5	2583090000
AAC 35 2X6 BL	42 A	5	2583170000
AAC 35 2X6 BK-YL	42 A	5	2583190000
AAC 35 2X6 GN-YL		5	2583180000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000

Mounting in compliance with norms

Thanks to precisely matched accessories

When assembling terminal blocks and equipping panels you must be able to rely on the fact, that the accessories are also perfectly matched. Only then can the processes run smoothly and productively. Correspondingly there are high requirements for mounting rails, cross-connections and cover plates as well as additional connections. They must comply with numerous norms and protective provisions.

The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail. This facilitates mounting while adhering to required norms.



Sample image	Designation	Type	Rated voltage	Rated current	Measurements	Colour	Qty.	Best.-Nr.
1	End plate terminal rail	TS END CAP 35X7.5			35 x 7.5 x 4 mm	grey	100	**1283470000**
2	Terminal rail	TS 35X7.5/LL 2M/ST/ZN			35 x 7.5 x 2000 mm	silver	2	**0514500000**
3	End bracket	AEB 35 SC/1			8 x 58 x 36 mm	dark beige	50	**1991920000**
4	Step-down bridges	ZQV 35N-10	1000 V AC / 1500 V DC	70 A	55 x 55 x 55 mm	orange	20	**2562670000**
5	Step-down bridges	ZQV 35N-16	1000 V AC / 1500 V DC	70 A	55 x 55 x 55 mm	orange	20	**2562660000**
6	Screwdriver	SDS 1.0X5.5X150			1.0 x 5.5 x 150 mm	black/orange	1	**2749380000**
7	Voltage tester	VT DIGI PRO	1000 V AC / 1000 V DC		264 x 33 x 67 mm	black/orange	1	**9918870000**
8	Warning cover	AAM 35-185 YE FLASH			55 x 55 x 55 mm	yellow	40	**2635600000**
9	Terminal marker	WS 8/5 MC NE WS			8 x 5 mm	white	720	**1640740000**
10	Cross-connector	ZQV 35N/2	1000 V AC / 1500 V DC	70 A	55 x 55 x 55 mm	orange	20	**2634950000**
11	Test adapter	ATPG 1.5-10 L	250 V AC / 250 V DC	0.2 A	55 x 55 x 55 mm	black	50	**1991890000**
12	Test probes	PS 2.0 MC	250 V AC / 250 V DC	0.2 A	55 x 55 x 55 mm	red	20	**0310000000**
13	Additional test point	AAC 35 2X6	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	dark beige	10	**2583090000**
13	Additional test point	AAC 35 2X6 BL	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	blue	10	**2583170000**
13	Additional test point	AAC 35 2X6 BK-YL	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	black/yellow	10	**2583190000**
13	Additional test point	AAC 35 2X6 GN-YL	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	green/yellow	10	**2583180000**



Reliable and efficient power subbly

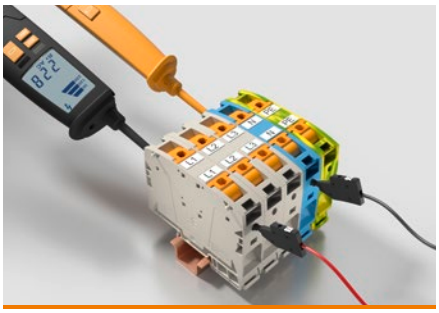
Klippon® Connect high current terminal blocks for optimal energy supply

The industrial environment requires more and more flexible and efficient wiring of power consumers, without compromising a consistently high level of process reliability.

Our new high-current terminal blocks meet these requirements. The PUSH IN-Power connection and many other features enable safe and efficient wiring. They are available in a wide range of variants, including for the DIN rail, for direct mounting on mounting plates, and pre-assembled blocks for different network systems.

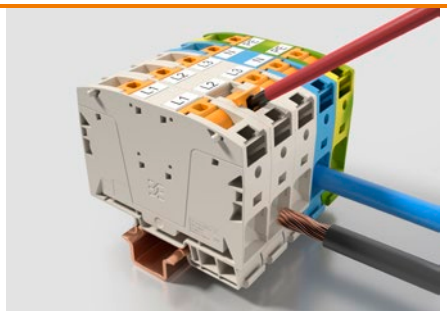


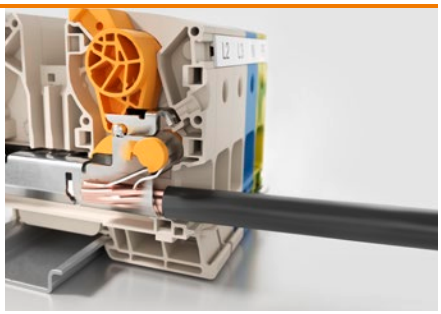
Pre-aseembled blocks
Pre-assembled feed-in blocks for each network system reduce the number of variants and storage costs. This supports installation on the standard DIN rail or direct fixation on the mounting plate using an integrated foot bracket.



Standardised testing options
A standard 2.0 mm diameter test tap allows easy and fast testing. Standardized accessories guarantee use in the cross-section ranges from 1.5 mm² to 185 mm² and ensure a streamline portfolio of accessories.

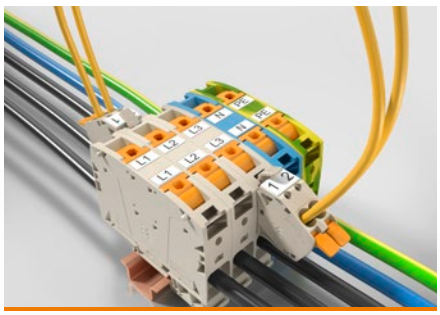
Innovative PUSH IN-Power connection
With the innovative PUSH IN-Power connection, several compression springs ensure safe, gastight, and vibration resistant connection of the wire. The connection system with similar scaled mechanism inside the cross section from 35 mm² up to 185 mm² provides high clamping forces with low operation forces for optimal operation. The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail like our screwdriver (order number: 2749380000).



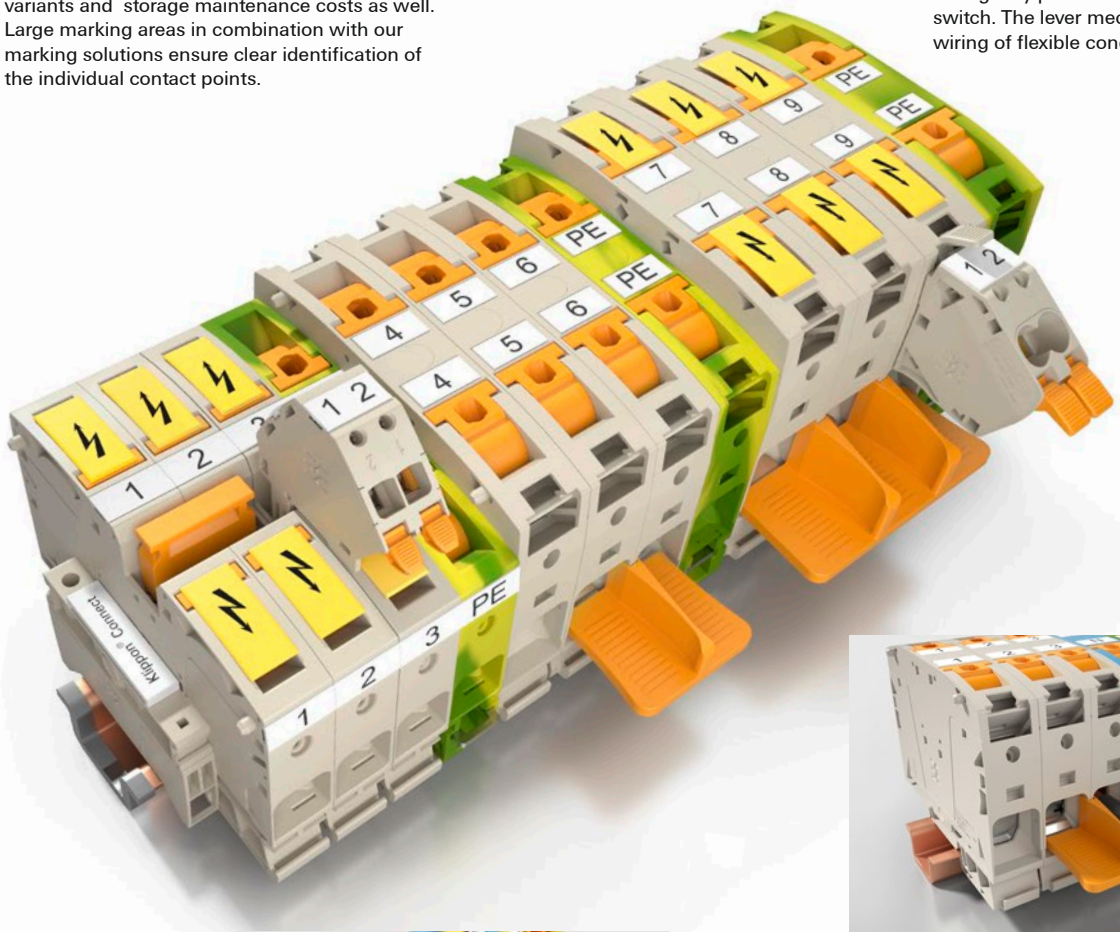


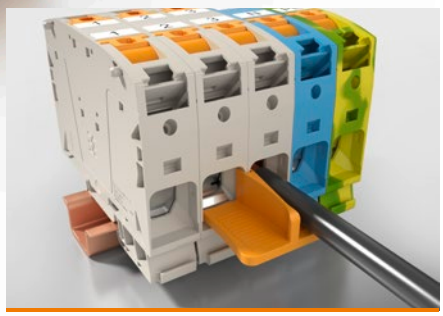


Standardised marking system
A standardized marking system for all terminal blocks from 35 mm² up to 185 mm² reduced variants and storage maintenance costs as well. Large marking areas in combination with our marking solutions ensure clear identification of the individual contact points.



Additional connection for emergency power supply
The additional connection for the cross section from 50 mm² up to 185 mm² enables a separate voltage tap. One possible use is as an emergency power supply upstream of the main switch. The lever mechanism enable tool less wiring of flexible conductors.





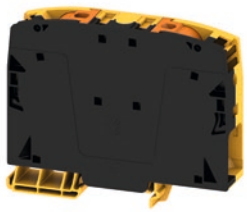
Efficient potential distribution
The cross connections could be installed tool less by latching the wire inside the connection point. The electrical contact will be given with or without a cable inside the connection point. Thanks to their special design, they could be easily identified with or without any conductor connection.



Identification of external voltage
Large-area marker tags direct attention to an external voltage applied. Fixation of the flash markers in the connection areas of 35 mm² to 185 mm² also prevents circuitry in the live state. This ensures greater safety for man and machine.

Power feed-in
PUSH IN connection

Terminal blocks for rail mounting

	A2C 50/70	A2C 50/70 FE
	50 mm²	50 mm²
		
Width/Height/Depth mm	20 x 101.5 x 80.5	20 x 101.5 x 80.5
max. current / max. cond. cross-section A/mm²	**150 / 70**	**150 / 70**
Max. clamping range mm²	**10...70**	**10...70**

Technical data

	A2C 50/70	A2C 50/70 FE
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Stripping length / Blade size mm/-		

IEC	UL	CSA	EN 60079-7
1000	1000		
150	175		
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

IEC	UL	CSA	EN 60079-7
1000	1000		
150			
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2C 50/70	5	**2663250000**
Blue	A2C 50/70 BL	5	**2663260000**
Green/yellow			
yellow/black			

Type	Qty.	Order No.
A2C 50/70 FE	5	**2663270000**

Note

Accessories

	Type		Qty.	Order No.
Cross connections insertable				
2-pole	ZQV 50/70N/2	150 A	10	**2663400000**
Additional tap				
dark beige	AAC 50-185 2X10	57 A	5	**2663420000**
blue	AAC 50-185 2X10 BL	57 A	5	**2663430000**
black/yellow	AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
green/yellow	AAC 50-185 2X10 GN-YL		5	**2663440000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Warning labels				
	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags				
	WS-A 8/16 MM WS		200	**2619910000**

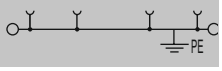
	Type		Qty.	Order No.
	ZQV 50/70N/2	150 A	10	**2663400000**
	AAC 50-185 2X10	57 A	5	**2663420000**
	AAC 50-185 2X10 BL	57 A	5	**2663430000**
	AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
	AAC 50-185 2X10 GN-YL		5	**2663440000**
	AEB 35 SC/1		50	**1991920000**
	AEB 35 SCL/1 V0		20	**2661280000**
	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	PS 2.0 MC		20	**0310000000**
	SDS 1.0X5.5X150		1	**2749380000**
	AAM 35-185 YE FLASH		40	**2635600000**
	WS-A 8/16 MM WS		200	**2619910000**

For detailed information on other accessories and application in the online catalogue

A2C 50/70 PE — 50 mm²



20 x 101.5 x 80.5
/ 70
10...70



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	1000		
50	AWG 8...0		
	/ 3		
	/ V-0		

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

For 50 – 185 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
A2C 50/70 PE	5	**2663280000**

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

A2C 50/70-DM — 50 mm²



20 x 134 x 80.5
150 / 70
10...70



IEC 60947-7-1

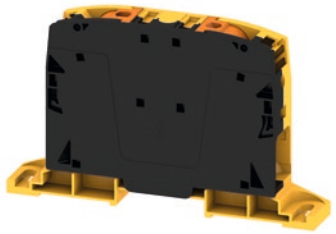
IEC	UL	CSA	EN 60079-7
1000	1000		
150	175		
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 50/70-DM	5	**2663330000**
A2C 50/70 BL-DM	5	**2663340000**

Type		Qty.	Order No.
ZQV 50/70N/2	150 A	10	**2663400000**
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

A2C 50/70 FE-DM — 50 mm²



20 x 134 x 80.5
150 / 70
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		
150			
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 50/70 FE-DM	5	**2663350000**

Type		Qty.	Order No.
ZQV 50/70N/2	150 A	10	**2663400000**
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

Power feed-in
PUSH IN connection

Terminal blocks for rail mounting

	A2C 95/120	95 mm²	A2C 95/120 FE	95 mm²





Width/Height/Depth	mm	25 x 101.5 x 90	25 x 101.5 x 90
max. current / max. cond. cross-section	A/mm²	**232 / 120**	**232 / 120**
Max. clamping range	mm²	**25...120**	**25...120**





Technical data

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000			
Rated current	A	232			
for wire cross-section	mm²	95			
Rated impulse withstand voltage / Pollution severity				/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				/ V-0	
Approvals		CE			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	25...120 / 25...120			
Flexible / Flexible with ferrule	mm²	25...120 / 25...95			
Stripping length / Blade size	mm/-	30 / 1.0 x 5.5 mm			

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000			
Rated current	A	232			
for wire cross-section	mm²	95			
Rated impulse withstand voltage / Pollution severity				/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				/ V-0	
Approvals		CE			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	25...120 / 25...120			
Flexible / Flexible with ferrule	mm²	25...120 / 25...95			
Stripping length / Blade size	mm/-	30 / 1.0 x 5.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2C 95/120	10	**2694060000**
Blue	A2C 95/120 BL	10	**2694070000**
Green/yellow			
yellow/black			

Version	Type	Qty.	Order No.
	A2C 95/120 FE	10	**2694080000**

Note

Accessories

Cross connections insertable	Type		Qty.	Order No.
2-pole	ZQV 95/120N/2	232 A	10	**2694250000**
3-pole	ZQV 95/120N/3	232 A	10	**2694260000**
Additional tap				
dark beige	AAC 50-185 2X10	57 A	5	**2663420000**
blue	AAC 50-185 2X10 BL	57 A	5	**2663430000**
black/yellow	AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
green/yellow	AAC 50-185 2X10 GN-YL		5	**2663440000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Warning labels				
	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags				
	WS-A 8/16 MM WS		200	**2619910000**

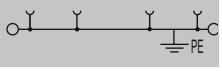
Cross connections insertable	Type		Qty.	Order No.
2-pole	ZQV 95/120N/2	232 A	10	**2694250000**
3-pole	ZQV 95/120N/3	232 A	10	**2694260000**
Additional tap				
dark beige	AAC 50-185 2X10	57 A	5	**2663420000**
blue	AAC 50-185 2X10 BL	57 A	5	**2663430000**
black/yellow	AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
green/yellow	AAC 50-185 2X10 GN-YL		5	**2663440000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Warning labels				
	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags				
	WS-A 8/16 MM WS		200	**2619910000**

For detailed information on other accessories and application in the online catalogue

A2C 95/120 PE — 95 mm²



25 x 101.5 x 90
/ 120
25...120



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
95			
		/ 3	
		/ V-0	

CE

Rated connection
25...120 / 25...120
25...120 / 25...95
30 / 1.0 x 5.5 mm

For 50 – 185 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
A2C 95/120 PE	10	**2694090000**

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

A2C 95/120-DM — 95 mm²



25 x 133.5 x 90
232 / 120
25...120



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
232			
95			
		/ 3	
		/ V-0	

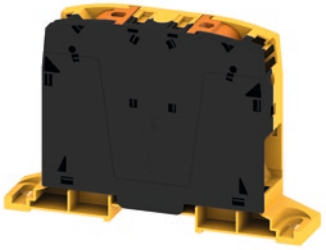
CE

Rated connection
25...120 / 25...120
25...120 / 25...95
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 95/120-DM	5	**2694150000**
A2C 95/120 BL-DM	10	**2694160000**

Type		Qty.	Order No.
ZQV 95/120N/2	232 A	10	**2694250000**
ZQV 95/120N/3	232 A	10	**2694260000**
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

A2C 95/120 FE-DM — 95 mm²



25 x 133.5 x 90
232 / 120
25...120



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
232			
95			
		/ 3	
		/ V-0	

CE

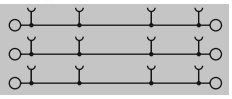
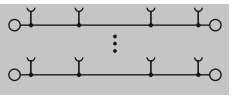
Rated connection
25...120 / 25...120
25...120 / 25...95
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 95/120 FE-DM	5	**2694170000**

Type		Qty.	Order No.
ZQV 95/120N/2	232 A	10	**2694250000**
ZQV 95/120N/3	232 A	10	**2694260000**
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

Power feed-in
PUSH IN connection

Terminal blocks for rail mounting

	A2C ... 3FT	A2C ... 3FT-FE
	50 mm²	50 mm²
		
max. current/max. cond. cross-section A/mm²	150 x 70	150 x 70
Max. clamping range mm²	**10...70** 	**10...70** 

Technical data

	A2C ... 3FT	A2C ... 3FT-FE
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Stripping length / Blade size mm/-		

IEC	UL	CSA	EN 60079-7
1000	1000		
150	175		
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

Note

You will find the technical data on the individual products.

Ordering data

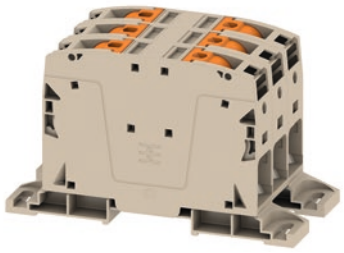
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
Clamping range 50 mm² / 70 mm²						
dark beige	A2C 50/70 3FT	1	**2663320000**			
dark beige, blue	A2C 50/70 3FT-N	1	**2663300000**			
dark beige, black/yellow				A2C 50/70 3FT-FE	1	**2663310000**
dark beige, blue, black/yellow				A2C 50/70 3FT-N-FE	1	**2663290000**
Clamping range 95 mm² / 120 mm²						
dark beige	A2C 95/120 3FT	1	**2694140000**			
dark beige, blue	A2C 95/120 3FT-N	1	**2694120000**			
dark beige, black/yellow				A2C 95/120 3FT-FE	1	**2694130000**
dark beige, blue, black/yellow				A2C 95/120 3FT-N-FE	1	**2694100000**
Note						

Accessories

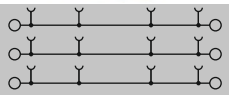
Additional tap	Type		Qty.	Order No.	Type		Qty.	Order No.
dark beige	AAC 50-185 2X10	57 A	5	**2663420000**	AAC 50-185 2X10	57 A	5	**2663420000**
blue	AAC 50-185 2X10 BL	57 A	5	**2663430000**	AAC 50-185 2X10 BL	57 A	5	**2663430000**
black/yellow	AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**	AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
green/yellow	AAC 50-185 2X10 GN-YL		5	**2663440000**	AAC 50-185 2X10 GN-YL		5	**2663440000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
Screwdriver								
Standard	SDS 1.0X5.5X150		1	**2749380000**	SDS 1.0X5.5X150		1	**2749380000**
Warning labels								
	AAM 35-185 YE FLASH		40	**2635600000**	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags								
	WS-A 8/16 MM WS		200	**2619910000**	WS-A 8/16 MM WS		200	**2619910000**

For detailed information on other accessories and application in the online catalogue

A2C ... 3FT DM — 50 mm²



150 x 70
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		
150	175		
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

cULus

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

You will find the technical data on the individual products.

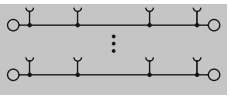
Type	Qty.	Order No.
A2C 50/70 3FT-DM	1	**2663390000**
A2C 50/70 3FT-N-DM	1	**2663370000**
A2C 95/120 3FT-DM	1	**2694230000**
A2C 95/120 3FT-N-DM	1	**2694200000**

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

A2C ... 3FT-FE DM — 50 mm²



150 x 70
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		
150	175		
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

cULus

Rated connection
10...70 / 10...70
10...70 / 10...50
30 / 1.0 x 5.5 mm

You will find the technical data on the individual products.

Type	Qty.	Order No.
A2C 50/70 3FT-FE-DM	1	**2663380000**
A2C 50/70 3FT-N-FE-DM	1	**2663360000**
A2C 95/120 3FT-FE-DM	1	**2694220000**
A2C 95/120 3FT-N-FE-DM	1	**2694180000**

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	**2663420000**
AAC 50-185 2X10 BL	57 A	5	**2663430000**
AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
AAC 50-185 2X10 GN-YL		5	**2663440000**
SDS 1.0X5.5X150		1	**2749380000**
AAM 35-185 YE FLASH		40	**2635600000**
WS-A 8/16 MM WS		200	**2619910000**

Mounting in compliance with norms

Thanks to precisley matched accessories for the A2C 50/70 to A2C 95/120

When assembling terminal blocks and equipping panels you must be able to rely on the fact, that the accessories are also perfectly matched. Only then can the processes run smoothly and productively. Correspondingly there are high requirements for mounting rails, cross-connections and cover plates as well as additional connections. They must comply with numerous norms and protective provisions.

The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail. This facilitates mounting while adhering to required norms.

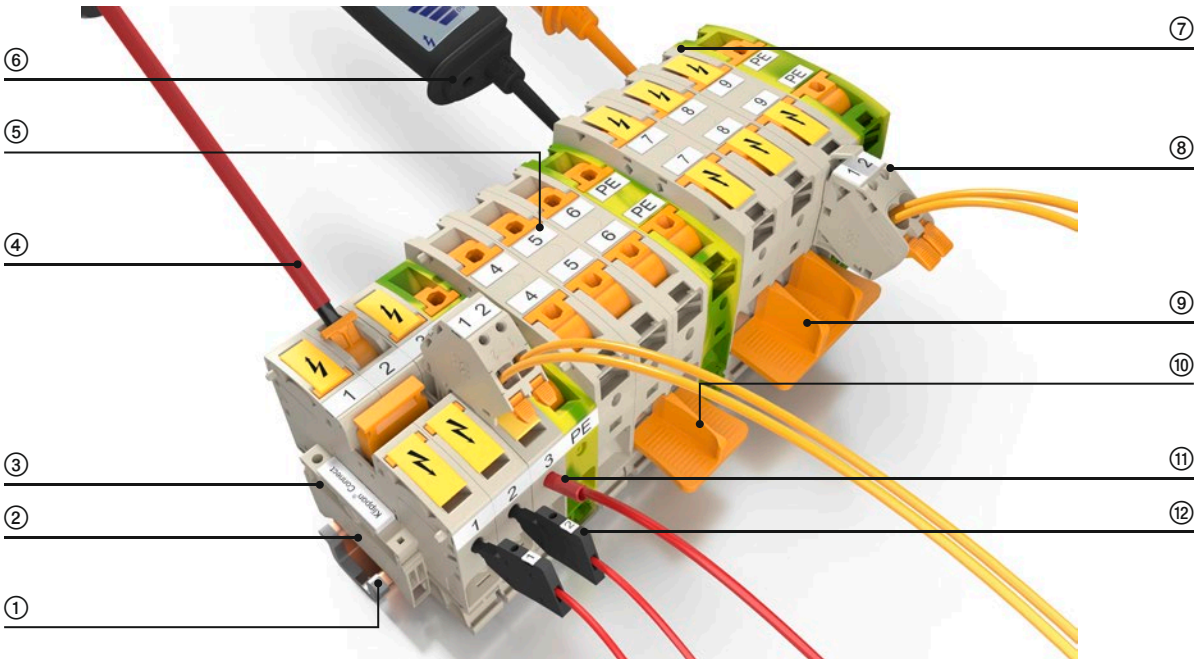
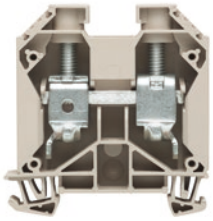


Image	Description	Type	Rated voltage	Rated Current	Dimensions	Colour	Qty.	Order No.
1	End cap mounting rail	TS END CAP 35X15			37.5 x 16.5 x 7 mm	grey	100	**1283480000**
2	Mounting rail	TS 35X15/2.3M/CU/BK			35 x 15 x 2000 mm		2	**0270100000**
3	End brackets	AEB 35 SC/1			8 x 58 x 36 mm	dark beige	50	**1991920000**
4	Screwdriver	SDS 1.0X5.5X150			1.0 x 5.5 x 150 mm	black/orange	1	**2749380000**
5	Terminal block marker	WS-A 8/16 MM WS			8 x 16 mm	white	200	**2619910000**
6	Voltage tester	VT DIGI PRO	1000 V AC / 1000 V DC		264 x 33 x 67 mm	black/orange	1	**9918870000**
7	Flash cover	AAM 35-185 YE FLASH			12 x 23.5 x 6.8 mm	yellow	40	**2635600000**
8	Additional tap	AAC 50-185 2X10	1000 V AC / 1500 V DC	57 A	20 x 50.5 x 42.5 mm	dark beige	5	**2663420000**
8	Additional tap	AAC 50-185 2X10 BL	1000 V AC / 1500 V DC	57 A	20 x 50.5 x 42.5 mm	blue	5	**2663430000**
8	Additional tap	AAC 50-185 2X10 BK-YL	1000 V AC / 1500 V DC	57 A	20 x 50.5 x 42.5 mm	black/yellow	5	**2663450000**
8	Additional tap	AAC 50-185 2X10 GN-YL	1000 V AC / 1500 V DC	57 A	20 x 50.5 x 42.5 mm	green/yellow	5	**2663440000**
9	Querverbindung	ZQV 95/120N/2	1000 V AC / 1500 V DC	232 A	48.07 x 76.91 x 22.5 mm	orange	10	**2694250000**
9	Querverbindung	ZQV 95/120N/3	1000 V AC / 1500 V DC	232 A	73.07 x 76.91 x 22.5 mm	orange	10	**2694260000**
10	Cross connection	ZQV 50/70N/2	1000 V AC / 1500 V DC	150 A	38.13 x 68.18 x 17.1 mm	orange	10	**2663400000**
11	Test probe	PS 2.0 MC	250 V AC / 250 V DC	0.2 A	4.3 x 4.3 x 27 mm	red	20	**0310000000**
12	Test probe	ATPG 1.5-10 L	250 V AC / 250 V DC	0.2 A	3.5 x 15.5 x 52 mm	black	50	**1991890000**



	WDU 35	WDU 35N
	35 mm²	35 mm²
	Clamping screw / spigot for good connection stability	Suitable for power distribution Compact design
		
Width/Height/Depth mm	16 x 60 x 62.5	16 x 66 x 50.5
max. current / max. cond. cross-section A/mm²	150 / 50	150 / 50
Max. clamping range mm²	2.5...50	2.5...50
	IEC 60947-7-1 Ex eb II C Gb II 2 G D	IEC 60947-7-1 Ex eb II C Gb II 2 G D

Technical data

	WDU 35				WDU 35N			
Rated data								
Rated voltage V	IEC 1000	UL 1000	CSA 600	EN 60079-7 690	IEC 500	UL 1000	CSA 600	EN 60079-7 352
Rated current A	125	150	150	115	125	150	150	110
for wire cross-section mm²	35	AWG 12...0	AWG 12...NaN	35 mm²	35	AWG 12...0	AWG 12...2	35 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3				6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B8 / V-0				B8 / V-0			
Approvals	DEMKO14ATEX1338U				DEMKO14ATEX1338U			
Clamped conductors (H05V/H07V)	**Rated connection**	**Further connection**			**Rated connection**	**Further connection**		
Solid / Stranded mm²	2.5...16 / 2.5...50				2.5...16 / 2.5...50			
Flexible / Flexible with ferrule mm²	2.5...35 / 2.5...35				2.5...35 / 2.5...35			
Tightening torque (clamping screw for copper conductors)	/ (M 6)				/ (M 6)			
Stripping length / Blade size mm/-	18 / 6.5 x 1.2 mm				18 / 6.5 x 1.2 mm			
2 conductors with same cross-section (H05V/H07V)								
Solid / Stranded mm²	2.5...10 / 16...16				2.5...6			
Flexible / Flexible with ferrule mm²	2.5...16 / 2.5...16				2.5...6 / 2.5...6			
Note					1000 V DC rated voltage tested.			

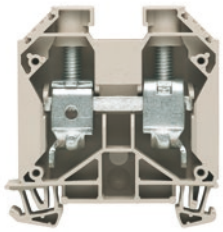
Ordering data

	WDU 35			WDU 35N		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige						
Blue						
without peg / dark beige	WDU 35	40	**1020500000**	WDU 35N	20	**1040400000**
Note	Order No. 1020500000 and 1020580000 (blue) versions without pegs (40 pcs.).			1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Accessories

	WDU 35			WDU 35N		
Screwable cross-connection	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
2-pole	WQV 35/2 138 A	50	**1053060000**	WQV 35N/2 125 A	20	**1079200000**
3-pole						
4-pole				WQV 35N/4 125 A	20	**1079400000**
10-pole	WQV 35/10 112 A	10	**1053160000**			
End bracket						
dark beige	WEW 35/1	50	**1059000000**	WEW 35/2	50	**1061200000**
Cover						
With lightning flash symbol	WAD 12 M.BL.	50	**1055960000**	WAD 16N GE BED	50	**1083600000**
Blank, white	WAD 12 NEUTRAL	50	**1056260000**			
Additional connection						
10 mm²						
4mm²						
Marking tags						
	DEK 5/5 MC NE WS	1000	**1609801044**	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 12/6.5 MC NE WS	540	**1609920000**	WS 12/6.5 MC NE WS	540	**1609920000**
Screwdriver						
Standard						
End plate / Partition plate						
dark beige	WAP 16+35 WTW 2.5-10	20	**1050100000**	WTW EN	20	**1058800000**
Blue	WAP 16+35 WTW 2.5-10 BL	20	**1050180000**			
Ribbon cable clamp						
For detailed information on other accessories and application in the online catalogue	Cross-connections, socket and test plug, see section "W series accessories".			Cross-connections, see section "W series accessories".		

WDU 35 IR — 35 mm²



16 x 60 x 62.5
150 / 50
2.5...50

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000		690
125	150		115
35	AWG 12...0		35 mm²
	8 kV / 3		
	B8 / V-0		
			DEMKO14ATEX1338U

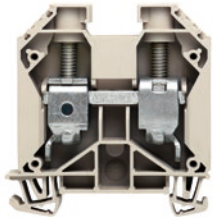
Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
/ (M 6)	
18 / TX 20	

Type	Qty.	Order No.
WDU 35 IR	40	1393400000

Type		Qty.	Order No.
WQV 35/2	138 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000

WDU 35 IK — 35 mm²

Hexagonal socket / spigot for good connection stability



16 x 60 x 62.5
150 / 50
2.5...50

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	150	150	115
35	AWG 12...NaN	AWG 12...NaN	35 mm²
	8 kV / 3		
	B8 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
/ (M 6)	
18 / S4 (DIN 6911)	
2.5...10 / 16...16	
2.5...16 / 2.5...16	

Type	Qty.	Order No.
WDU 35/IK	25	1020600000

Order No. 1020600000 and 1020680000 (blue) versions without pegs (25 pcs.).

Type		Qty.	Order No.
WQV 35/2	138 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000

Cross-connections, socket and test plug, see section "W series accessories".

WDU 50N — 50 mm²

Compact design



18.5 x 70 x 69.6
192 / 70
10...70

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
150	150	150	126
50	AWG 10...0	AWG 8...0	50 mm²
	8 kV / 3		
	B10 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
10...16 / 10...70	
10...50	
/ (M 6)	
24 / S4 (DIN 6911)	
...16 / 6...16	
6...16 / 6...16	

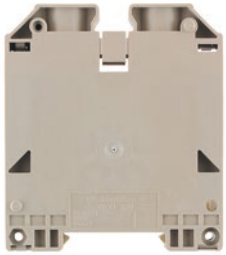
1000 V DC rated voltage tested.

Type	Qty.	Order No.
WDU 50N	10	1820840000
WDU 50N BL	10	1820850000

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type		Qty.	Order No.
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 50N	41 A	5	1872720000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for additional conductor "WZAD 50N" 1872720000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

	WDU 50N IR	WDU 70N
	50 mm²	70 mm²
	Six-lobe socket	Compact design
		
Width/Height/Depth mm	18.5 x 70 x 69.6	20.5 x 75 x 85
max. current / max. cond. cross-section A/mm²	192 / 70	232 / 95
Max. clamping range mm²	10...70	16...95

Technical data

	WDU 50N IR	WDU 70N
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex eb II C Gb, II 2 G D	Ex eb II C Gb, II 2 G D
for wire cross-section mm²	IEC: 1000 / 150 / 50	IEC: 1000 / 192 / 70
	UL: –	UL: 600 / 150 / AWG 6...0
	CSA: –	CSA: 600 / 150 / AWG 6...0
	EN 60079-7: 690 / 126 / 50 mm²	EN 60079-7: 690 / 184 / 70 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	B10 / V-0	B11 / V-0
Approvals	DEMKO14ATEX1338U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	10...16 / 10...70	16...16 / 16...95
Flexible / Flexible with ferrule mm²	10...50	16...70 / 16...50
Tightening torque (clamping screw for copper conductors)	/ (M 6)	/ (M 8)
Stripping length / Blade size mm/-	24 / TX 20	22 / S6 (DIN 6911)
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded -	...16 / 6...16	10...16 / 10...25
Flexible / Flexible with ferrule mm²	6...16 / 6...16	10...25 / 6...25
Note	1000 V DC rated voltage tested.	1000 V DC rated voltage tested.

	Rated connection	Further connection
WDU 50N IR	10...16 / 10...70	
	10...50	
	/ (M 6)	
	24 / TX 20	
WDU 70N	16...16 / 16...95	
	16...70 / 16...50	
	/ (M 8)	
	22 / S6 (DIN 6911)	

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 50N IR	10	1186630000
Blue			
without peg / dark beige			
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

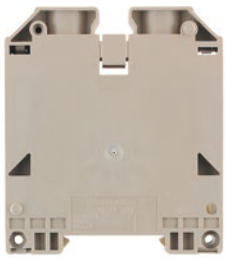
Version	Type	Qty.	Order No.
	WDU 70N/35	10	9512190000
	WDU 70N/35 BL	10	9512420000
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 50N/2	150 A	5	1834060000
3-pole	WQV 50N/3	150 A	5	1834070000
4-pole	WQV 50N/4	150 A	5	1834080000
10-pole				
End bracket				
dark beige	WEW 35/1		50	1059000000
Cover				
With lightning flash symbol	WAD 20 GE WSD		10	9512260000
Blank, white				
Additional connection				
10 mm²	WZAD 50N	41 A	5	1872720000
4mm²				
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/6.5 MC NE WS		540	1609920000
Screwdriver				
Standard	TH-S 9-40		1	9008880000
End plate / Partition plate				
dark beige				
Blue				
Ribbon cable clamp				
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".			

Screwable cross-connection	Type		Qty.	Order No.
	WQV 70N/2	192 A	5	9512240000
	WQV 70N/3	192 A	5	9512250000
	WQV 70N/4	192 A	5	9531290000
	WEW 35/1		50	1059000000
	WAD 20 GE WSD		10	9512260000
	WZAD 70N	41 A	5	1964830000
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/6.5 MC NE WS		540	1609920000
	SKS 2,0-8,0 MR		1	9008870000
	Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".			

WDU 70N IR — 70 mm²



20.5 x 75 x 85
232 / 95
16...95

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	600		
192	150		
70	AWG 6...0		
	8 kV / 3		
	B11 / V-0		

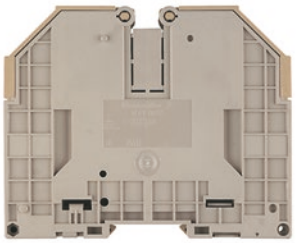
Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...50	
/ (M 8)	
22 / TX 40	

Type	Qty.	Order No.
WDU 70N/35 IR	10	**1393420000**

Type		Qty.	Order No.
WQV 70N/2	192 A	5	**9512240000**
WQV 70N/3	192 A	5	**9512250000**
WQV 70N/4	192 A	5	**9531290000**
WEW 35/1		50	**1059000000**
WAD 20 GE WSD		10	**9512260000**
WZAD 70N	41 A	5	**1964830000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
TH-S 9-40		1	**9008880000**

WDU 70/95 — 95 mm²

Conductor can be inserted from above / leaf spring



27 x 132 x 107
232 / 120
13.3...120

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
232	175	205	218
95	AWG 6...0	AWG 6...0	95 mm²
	8 kV / 3		
	B12 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...120	
16...95 / 16...50	
/ (M 8)	
30 / S6 (DIN 6911)	
16...16 / 16...35	
16...35 / 16...35	

Type	Qty.	Order No.
WDU 70/95	10	**1024600000**
WDU 70/95 BL	10	**1024680000**

For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.

Type		Qty.	Order No.
WQV 70/95/2	232 A	5	**1063500000**
WQV 70/95/3	232 A	5	**1063600000**
WEW 35/1		50	**1059000000**
WAD 27 M. BL.		10	**1062860000**
WAD 27 NEUTRAL		10	**1062960000**
WZAD 70/95	32 A	10	**1066000000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
SKS 2,0-8,0 MR		1	**9008870000**

Auxiliary connection for the additional conductor "WZAD 70", order No. 1066000000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

WDU 95N/120N — 120 mm²

Compact design



27 x 91 x 90
290 / 150
16...150

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
269	228	220	221
120	AWG 4...250	AWG 4...0	120 mm²
	8 kV / 3		
	B13 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...150	
16...120	
/ (M 10)	
27 / S6 (DIN 6911)	
16...16 / 10...35	
16...35 / 10...35	

1000 V DC rated voltage tested.

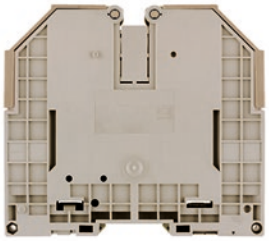
Type	Qty.	Order No.
WDU 95N/120N	5	**1820550000**
WDU 95N/120N BL	5	**1820560000**

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type		Qty.	Order No.
WQV 95N/120N/2	269 A	5	**1826890000**
WQV 95N/120N/3	269 A	5	**1826900000**
WQV 95N/120N/4	269 A	5	**1826910000**
WEW 35/1		50	**1059000000**
WAD 20 GE WSD		10	**9512260000**
WZAD 95N/120N	41 A	5	**1859580000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
SKS 2,0-8,0 MR		1	**9008870000**

Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

Power feed-in
Screw connection

	WDU 95N/120N IR	WDU 120/150
	120 mm²	**120 mm²**
		Conductor can be inserted from above / leaf spring
		
Width/Height/Depth mm	27 x 91 x 90	32 x 132 x 117
max. current / max. cond. cross-section A/mm²	**290 / 150**	**309 / 150**
Max. clamping range mm²	**16...150**	**33.63...150**

Technical data

	WDU 95N/120N IR	WDU 120/150
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A		Ex eb II C Gb / Ex II 2 G D
for wire cross-section mm²	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
	1000	1000 / 1000 / 600 / 1100
	269	269 / 225 / 285 / 265
	120	120 / AWG 2...250 / AWG 2...250 / 150 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	B13 / V-0	B13 / V-0
Approvals	CE EAC	CE EAC KCC DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	16...16 / 16...150	/ 35...150
Flexible / Flexible with ferrule mm²	16...120	35...150 / 35...50
Tightening torque (clamping screw for copper conductors)	/ (M 10)	/ (M 10)
Stripping length / Blade size mm/-	27 / TX 40	35 / S6 (DIN 6911)
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded -		...16 / 35...70
Flexible / Flexible with ferrule -		35...70 / 35...70
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 95N/120N IR	5	**1393430000**
Blue			
without peg / dark beige			

Note

Type	Qty.	Order No.
WDU 120/150	10	**1024500000**
WDU 120/150 BL	10	**1024580000**

For direct mounting see section W-Series, Accessories.

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 95N/120N/2	269 A	5	**1826890000**
3-pole	WQV 95N/120N/3	269 A	5	**1826900000**
4-pole	WQV 95N/120N/4	269 A	5	**1826910000**
10-pole				
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**
Blank, white				
Additional connection				
10 mm²	WZAD 95N/120N	41 A	5	**1859580000**
4mm²				
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 15/5 MC NE WS		480	**1609880000**
Screwdriver				
Standard	TH-S 9-40		1	**9008880000**
End plate / Partition plate				
dark beige				
Blue				
Ribbon cable clamp				

Screwable cross-connection	Type		Qty.	Order No.
	WQV 120/2	269 A	5	**1063300000**
	WQV 120/3	292 A	5	**1063400000**
	WEW 35/1		50	**1059000000**
	WAD 27 M. BL.		10	**1062860000**
	WAD 27 NEUTRAL		10	**1062960000**
	WZAD120		10	**1066100000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
	SKS 2,0-8,0 MR		1	**9008870000**

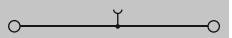
For detailed information on other accessories and application in the online catalogue

Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

WDU 240 — 240 mm²



36 x 100 x 123.7
415 / 240
70...240



IEC 60947-7-1

Ex eb II
C Gb
II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	1100
415	380	400	350
240		AWG 0...500	240 mm²
	8 kV / 3		
	B15 / V-0		

KEMA01ATEX2186U

Rated connection	Further connection
/ 70...240	
70...240 / 70...185	
/ (M 10)	
40 / S8 (DIN 6911)	
/ 35...95	
50...95 / 35...50	

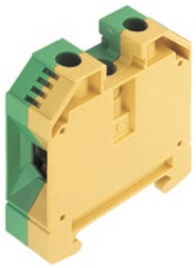
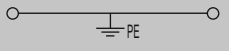
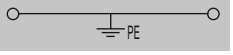
Copper straps can be used; see online catalogue for possible connections.

Type	Qty.	Order No.
WDU 240	2	**1802780000**
WDU 240 BL	2	**1822210000**

1000 VDC rated voltage tested.

Type		Qty.	Order No.
WQB 240/2		5	**1802790000**
WQB 240/3		5	**1802800000**
WEW 35/1		50	**1059000000**
WZAD 240	57 A	5	**1802810000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
SKS 2,0-8,0 MR		1	**9008870000**

Power feed-in
Screw connection

	WPE 35	WPE 35N
	35 mm²	35 mm²
		Compact design
		
Width/Height/Depth	16 x 56 x 62.5	16 x 66 x 50.5
max. current / max. cond. cross-section	/ 35	/ 50
Max. clamping range	2.5...35	2.5...50
		
	IEC 60947-7-2 Ex eb II C Gb II 2 G D	IEC 60947-7-2 Ex eb II C Gb II 2 G D

Technical data

Rated data					
for wire cross-section	mm²	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	35	AWG 12...2	AWG 12...2	35 mm²
Rated impulse withstand voltage to adjacent terminal	kV	800			
Rated short-time current		8			
Pollution severity		4200 A (35 mm²)			
Gauge to IEC 60947-1 / UL 94 flammability rating		3			
Approvals		B8 / V-0			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	2.5...16 / 2.5...35			
Flexible / Flexible with ferrule	mm²	2.5...35 / 2.5...35			
Tightening torque (clamping screw for copper conductors)		/ (M 6)			
Tightening torque (mounting screw)					
Stripping length / Blade size	mm/-	18 / 6.5 x 1.2 mm			
Note					

Rated data					
		IEC	UL	CSA	EN 60079-7
		35	AWG 12...2		35 mm²
		400			
		6			
		4200 A (35 mm²)			
		3			
		B8 / V-0			
		Rated connection			
		2.5...16 / 2.5...50			
		2.5...35 / 2.5...35			
		/ (M 6)			
		18 / 6.5 x 1.2 mm			

Ordering data

Version		Type	Qty.	Order No.
	Green/yellow			
	green/yellow	WPE 35	25	1010500000
Note				

Type	Qty.	Order No.
WPE 35N	20	1717740000

Accessories

PEN bridge	Type	Qty.	Order No.
	WQB-PEN 35	10	1060100000
End bracket			
dark beige	WEW 35/1	50	1059000000
Screwdriver			
Standard	SDS 1.2X6.5X150	1	2749390000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 12/6.5 MC NE WS	540	1609920000

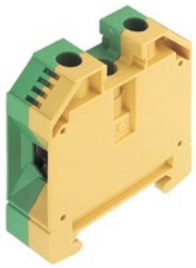
Type	Qty.	Order No.
WEW 35/2	50	1061200000
SDS 1.2X6.5X150	1	2749390000
DEK 5/5 MC NE WS	1000	1609801044
WS 12/6.5 MC NE WS	540	1609920000

For detailed information on other accessories and application in the online catalogue

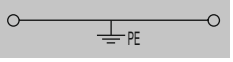
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 35/IKSC — 35 mm²



16 x 56 x 62.5
/ 35
2.5...35



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...1	AWG 12...2	35 mm²
800			
8			
4200 A (35 mm²)			
3			
B8 / V-0			

Rated connection
2.5...16 / 2.5...35
2.5...35 / 2.5...35
/ (M 6)
18 / S4 (DIN 6911)

Type	Qty.	Order No.
WPE 35/IKSC	25	**1012600000**

Type	Qty.	Order No.
WQB-PEN 35	10	**1060100000**
WEW 35/1	50	**1059000000**
SDS 1.2X6.5X150	1	**2749390000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/6.5 MC NE WS	540	**1609920000**

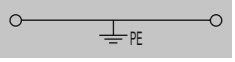
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 50N — 50 mm²

Compact design



18.5 x 71 x 69.6
/ 70
5.26...70



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
50	AWG 10...0	AWG 14...0	50 mm²
1000			
8			
6000 A (50 mm²)			
3			
B10 / V-0			

Rated connection
10...16 / 10...70
10...50
/ (M 6)
24 / S4 (DIN 6911)

For 50 and 70 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 50N	10	**1846040000**

Type	Qty.	Order No.
WQV PEN 50N	150 A 5	**9201610000**
WEW 35/1	50	**1059000000**
SKS 2,0-8,0 MR	1	**9008870000**
DEK 5/8 MC NE WS	800	**1856740000**
WS 12/6.5 MC NE WS	540	**1609920000**

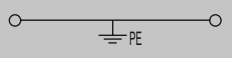
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 70N/35 — 70 mm²

Compact design



20.5 x 75 x 85
/ 95
16...95



IEC 60947-7-2 — Ex eb II C Gb — II 2 G D

IEC	UL	CSA	EN 60079-7
70	AWG 6...0	AWG 6...0	70 mm²
1000			
8			
8400 A (70 mm²)			
3			
B11 / V-0			

Rated connection
16...16 / 16...95
16...70 / 16...50
/ (M 8)
22 / S6 (DIN 6911)

For 50 - 95 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

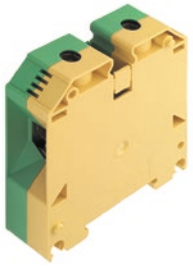
Type	Qty.	Order No.
WPE 70N/35	10	**9512200000**

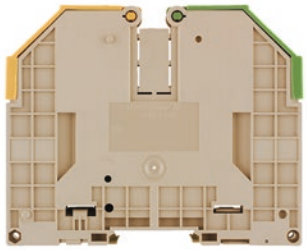
Type	Qty.	Order No.
WQV 70N-PEN	192 A 5	**9525840000**
WEW 35/1	50	**1059000000**
SKS 2,0-8,0 MR	1	**9008870000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/6.5 MC NE WS	540	**1609920000**

Rail holder for protective isolation Installation of the mounting rail "SH 2" Order no. 0494920000 (qty. 10).

Power feed-in
Screw connection

	WPE 95N/120N	95 mm²	WPE 70/95	95 mm²
	Compact design		Conductor can be inserted from above / leaf spring	





Width/Height/Depth	27 x 91 x 90	27 x 132 x 107
max. current / max. cond. cross-section	/ 150	/ 120
Max. clamping range	16...150	13.3...120

PE

PE

Technical data

	WPE 95N/120N	WPE 70/95
Rated data		
for wire cross-section	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal	Ex eb II C Gb II 2 G D	Ex eb II C Gb II 2 G D
Rated impulse withstand voltage to adjacent terminal		
Rated short-time current		
Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
95	AWG 4...0	AWG 4...0	120 mm²	95	AWG 6...0	AWG 6...0	95 mm²
1000				1000			
8				8			
11400 A (95 mm²)				11400 A (95 mm²)			
3				3			
B13 / V-0				B12 / V-0			

	WPE 95N/120N	WPE 70/95
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	mm²
Flexible / Flexible with ferrule	mm²	mm²
Tightening torque (clamping screw for copper conductors)		
Tightening torque (mounting screw)		
Stripping length / Blade size	mm/-	mm/-

	WPE 95N/120N	WPE 70/95
Rated connection		
	16...16 / 16...150	16...16 / 16...120
	16...120	16...95 / 35...50
	/ (M 10)	/ (M 8)
	27 / S6 (DIN 6911)	30 / S6 (DIN 6911)

Note	
	For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.
	For 50 - 120 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
Green/yellow						
green/yellow	WPE 95N/120N	5	1846030000	WPE 70/95	10	1037300000
Note	UL, CSA and ATEX certifications are pending					

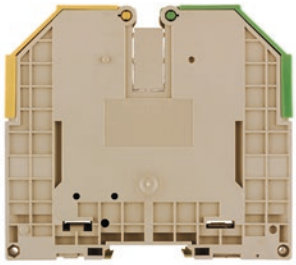
Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
PEN bridge						
	WQV PEN 95N/120N	5	9201630000	WQV 70/95-PEN 232 A	5	1072300000
End bracket						
dark beige	WEW 35/1	50	1059000000	WEW 35/1	50	1059000000
Screwdriver						
Standard	SKS 2,0-8,0 MR	1	9008870000	SKS 2,0-8,0 MR	1	9008870000
Marking tags						
	DEK 5/5 MC NE WS	1000	1609801044	DEK 5/5 MC NE WS	1000	1609801044
	WS 12/6.5 MC NE WS	540	1609920000	WS 12/6.5 MC NE WS	540	1609920000

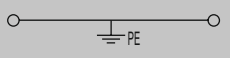
For detailed information on other accessories and application in the online catalogue		
	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).	
		Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 120/150 — 120 mm²

Conductor can be inserted from above / leaf spring



32 x 132 x 117
/ 150
33.62...150



IEC 60947-7-2

Ex eb II
C Gb

II 2 G D

IEC	UL	CSA	EN 60079-7
120	AWG 2...250	AWG 2...250	150 mm²
1000			
8			
14400 A (120 mm²)			
3			
B13 / V-0			

Rated connection
/ 35...150
35...150 / 35...50
/ (M 10)
35 / S6 (DIN 6911)

For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 120/150	10	**1019700000**

Type		Qty.	Order No.
WQV 120-PEN	292 A	5	**1072400000**
WEW 35/1		50	**1059000000**
SKS 2,0-8,0 MR		1	**9008870000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Reliable and efficient power supply

Really convenient with Klippon® Connect

A growing number of industrial applications needs to fit a large amount of technology into a very dense space. Different connection types must thereby be interchangeable, because cost-saving aluminium often replaces copper.

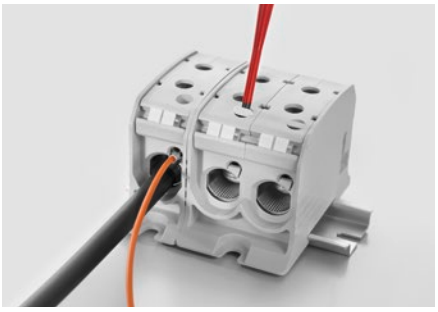
Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option.

Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

Compact and robust design
Klippon® Connect power feed-in terminal blocks WPD boast a wide range of features, including a compact and robust design.



Uninterrupted monitoring
Small power supply and monitoring connections can be installed without disconnecting any previously connected terminal blocks.



Al and Cu



Easy and flexible mounting
The possibility of direct mounting and the compatibility with the 35-mm DIN rail in accordance with EN 60715 and EN 50022 allow fast processing and installation.



Socket wrench sets
Weidmüller offers fitting SK WSD-S Allen keys DIN ISO 2936 L (DIN 911) made from fully hardened high-alloy chromium-vanadium-steel with a high-quality refined surface for the blocks.



Power feed-in
Screw connection

W-Series
WPD 130 1X50/1X50 GY

WPD 130	50 mm²



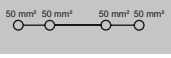
WPD 230	50 mm²



Width / Height / Depth	**mm**	**22 / 45 / 70**
max. current / max. conductor	**A/mm²**	**150 / 50**
max. clamping range	**mm²**	**4...50**



Width / Height / Depth	**mm**	**35,6 / 45 / 70**
max. current / max. conductor	**A/mm²**	**150 / 50**
max. clamping range	**mm²**	**4...50**



Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Overvoltage category / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible with ferrule	mm²
Stripping length / Blade size	mm/-
Tightening torque	Nm
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
150	150	150	150
50	AWG 12...1/0	AWG 12...1/0	50
	8 kV / 3		
	III / V-0		

Bemessungsanschluss
6...50 / 6...50
4...35
16 / M10 (SW 5 mm)
see appendix at the end of the chapter

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
300	150	150	150
50	AWG 12...1/0	AWG 12...1/0	50
	8 kV / 3		
	III / V-0		

Rated connection
6...50 / 6...50
4...35
16 / M10 (SW 5 mm)
see appendix at the end of the chapter

Ordering data

Version	Type	Qty.	Order No.
light grey	WPD 130 1X50/1X50 GY	9	**2502530000**
blue	WPD 130 1X50/1X50 BL	9	**2502540000**
green	WPD 130 1X50/1X50 GN	9	**2502550000**
brown	WPD 130 1X50/1X50 BN	9	**2502560000**
black	WPD 130 1X50/1X50 BK	9	**2502570000**
brown / black / light grey			
green / light grey / blue			
Note			

Type	Qty.	Order No.
WPD 230 2X50/2X50 GY	5	**2502580000**
WPD 230 2X50/2X50 BL	5	**2502590000**
WPD 230 2X50/2X50 GN	5	**2502600000**
WPD 230 2X50/2X50 BN	5	**2502610000**
WPD 230 2X50/2X50 BK	5	**2502950000**

Accessories

Protective cover	Type	Qty.	Order No.
light grey	WPDPC X30 GY	54	**2503330000**
End bracket			
grey	WEW 35/2 GR 7042	100	**1859200000**
black	AEB 35 SC/1 BK	50	**2475310000**
Screwdriver			
SET	SK WSD-S 1,5-10,0	1	**9008850000**
Identification systems			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 8/5 MM WS	800	**2007150000**

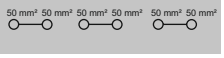
Type	Qty.	Order No.
WPDPC X30 GY	54	**2503330000**
WEW 35/2 GR 7042	100	**1859200000**
AEB 35 SC/1 BK	50	**2475310000**
SK WSD-S 1,5-10,0	1	**9008850000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 8/5 MM WS	800	**2007150000**

WPD 330 — 50 mm²





56,5 / 45 / 70
150 / 50
4...50



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
150	150	150	150
50	AWG 12...1/0	AWG 12...1/0	50
	8 kV / 3		
	III / V-0		

Rated connection
6...50 / 6...50
4...35
16 / M10 (SW 5 mm)
see appendix at the end of the chapter



Type	Qty.	Order No.
WPD 330 3X50/3X50 3XGY	3	2502620000
WPD 330 3X50/3X50 1XBN/1XBK/1XGY	3	2502650000
WPD 330 1XGY/1XBL/1XGN	3	2502640000



Type	Qty.	Order No.
WPDPC X30 GY	54	2503330000
WEW 35/2 GR 7042	100	1859200000
AEB 35 SC/1 BK	50	2475310000
SK WSD-S 1,5-10,0	1	9008850000
DEK 5/5 MC NE WS	1000	1609801044
WS 8/5 MM WS	800	2007150000



Power feed-in
Screw connection

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (AL+Cu)

Input (x1) / Output (x1)	Copper		Aluminium	
				
50 mm²	10 Nm		14 Nm	14 Nm
35 mm²		10 Nm		
25 mm²	8 Nm	8 Nm	12 Nm	10 Nm
16 mm²			10 Nm	
10 mm²	6 Nm	6 Nm		
6 mm²				
4 mm²				
max. current with 2 x 50 mm² (acc. to IEC)	300 A		270 A	
Stripping lengths	16 mm			
Allen screw	M10 (SW 5 mm)			

Input (x1) / Output (x1)	Copper		Aluminium	
				
AWG 1/0	123.9Lb In.		123.9Lb In.	123.9Lb In.
AWG 2		123.9Lb In.		
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
max. current at 1 x 50 mm² (acc. to UL)	150 A		120 A	
Stripping lengths	16 mm			
Allen screw	M10 (SW 5 mm)			

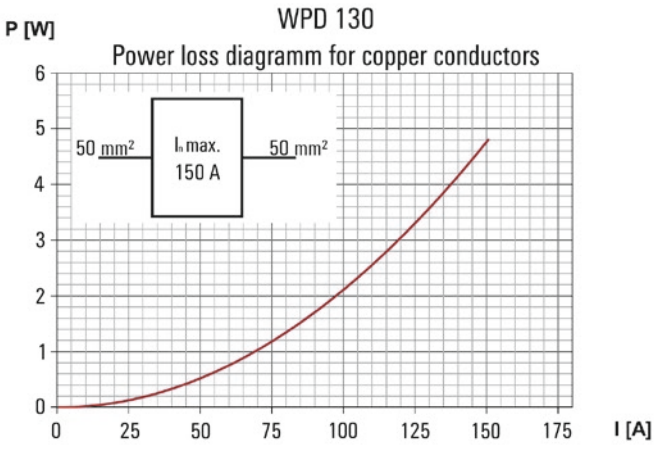
 Stranded

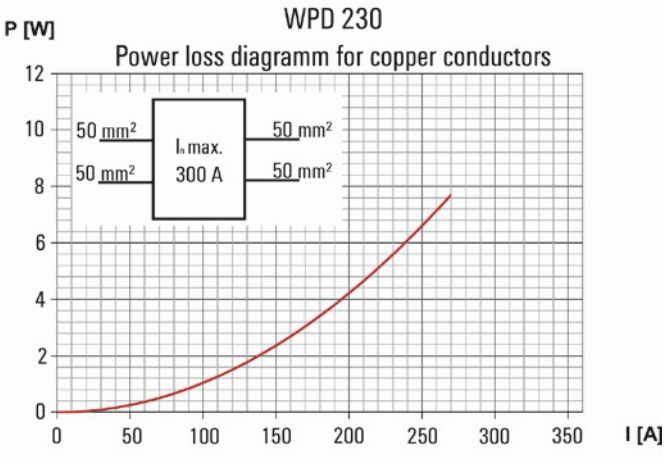
 Solid

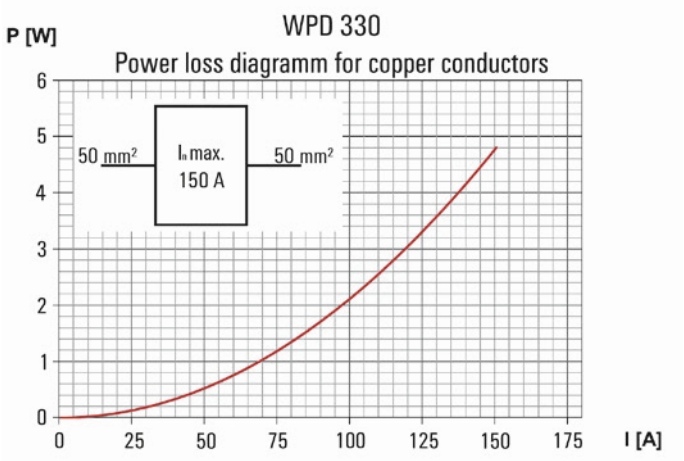
 Flexible with ferrule

 Sector shaped

Diagrams



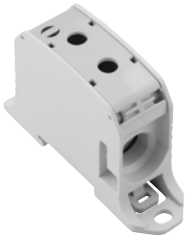






W-Series
WPD 131 1X95/1X95 GY

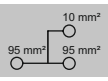
WPD 131	95 mm²



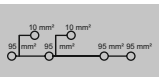
WPD 231	95 mm²



Width / Height / Depth	28 / 57 / 93	mm
max. current / max. conductor	232 / 95	A/mm²
max. clamping range	10...95	mm²



Width / Height / Depth	47 / 57 / 93	mm
max. current / max. conductor	232 / 95	A/mm²
max. clamping range	10...95	mm²



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	95 mm²	mm²
	Auxiliary connection 6 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	95 mm²	mm²
	Auxiliary connection 6 mm²	mm²
Flexible with ferrule	95 mm²	mm²
	Auxiliary connection 6 mm²	mm²
Stripping length / Blade size	95 mm²	mm/–
	Auxiliary connection 6 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
232	200	200	232
95	AWG 8...3/0	AWG 8...3/0	95
6	AWG 16...8	AWG 16...8	6
	8 kV / 3		
	III / V-0		

Bemessungsanschluss
10...95 / 10...95
1.5...10 / 1.5...10
16...70
1.5...6
26 / M14 (SW 6)
10 / M4 (+/- PZ2)
siehe Anhang am Kapitelende

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
464	200	200	232
95	AWG 8...3/0	AWG 8...3/0	95
6	AWG 16...8	AWG 16...8	6
	8 kV / 3		
	III / V-0		

Bemessungsanschluss
10...95 / 10...95
1.5...10 / 1.5...10
16...70
1.5...6
26 / M14 (SW 6)
10 / M4 (+/- PZ2)
siehe Anhang am Kapitelende

Ordering data

Version	
	light grey
	blue
	green
	brown
	black
Note	

Type	Qty.	Order No.
WPD 131 1X95/1X95 GY	2	2503090000
WPD 131 1X95/1X95 BL	2	2502660000
WPD 131 1X95/1X95 GN	2	2502670000
WPD 131 1X95/1X95 BN	2	2502680000
WPD 131 1X95/1X95 BK	2	2502690000

Type	Qty.	Order No.
WPD 231 2X95/2X95 GY	1	2502700000
WPD 231 2X95/2X95 BL	1	2502710000
WPD 231 2X95/2X95 GN	1	2502720000
WPD 231 2X95/2X95 BN	1	2502730000
WPD 231 2X95/2X95 BK	1	2502740000

Accessories

Protective cover	
	light grey
End bracket	
	grey
	black
Screwdriver	
	SET
Identification systems	

Type	Qty.	Order No.
WPDPC X31 GY	20	2503370000
WEW 35/2 GR 7042	100	1859200000
AEB 35 SC/1 BK	50	2475310000
SK WSD-S 1,5-10,0	1	9008850000
DEK 5/5 MC NE WS	1000	1609801044
WS 8/5 MM WS	800	2007150000

Type	Qty.	Order No.
WPDPC X31 GY	20	2503370000
WEW 35/2 GR 7042	100	1859200000
AEB 35 SC/1 BK	50	2475310000
SK WSD-S 1,5-10,0	1	9008850000
DEK 5/5 MC NE WS	1000	1609801044
WS 8/5 MM WS	800	2007150000

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (AL+Cu)

Input (x1) / Output (x1)	Copper		Aluminium	
				
95 mm²	19 Nm		22,6 Nm	22,6 Nm
70 mm²		19 Nm		
50 mm²				
35 mm²				
25 mm²	14 Nm	14 Nm		
16 mm²				
10 mm²				
max. current with 2 x 95 mm² (acc. to IEC)	464 A		200 A	
Stripping lengths	26 mm			
Allen screw	M14 (SW 6 mm)			

Input (x1) / Output (x1)	Copper		Aluminium	
				
AWG 3/0	200Lb In.		200Lb In.	123.9Lb In.
AWG 2/0		200Lb In.		
AWG 1/0				
AWG 2				
AWG 4				
AWG 6				
AWG 8				
max. current at 1 x 95 mm² (acc. to UL)	200 A		155 A	
Stripping lengths	26 mm			
Allen screw	M14 (SW 6 mm)			

Auxiliary connection

	Copper	
		
10 mm²	1,2 Nm	
6 mm²		1,2 Nm
4 mm²		
2.5 mm²		
1.5 mm²		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/-PZ2)	

	Copper	
		
AWG 8	20.3Lb In.	
AWG 10		20.3Lb In.
AWG 12		
AWG 14		
AWG 16		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/- PZ2)	

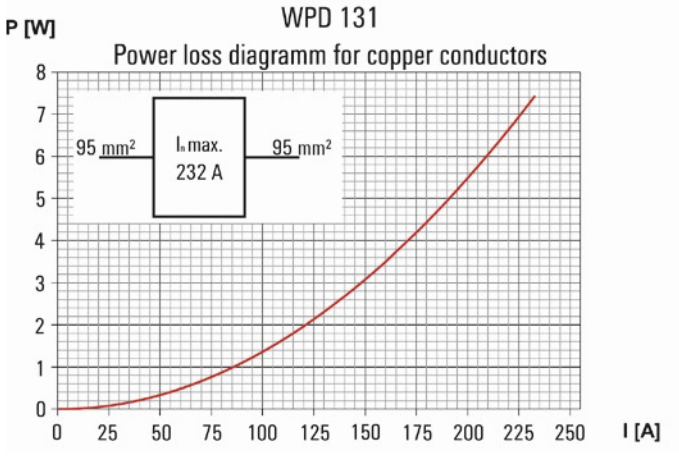
 Stranded

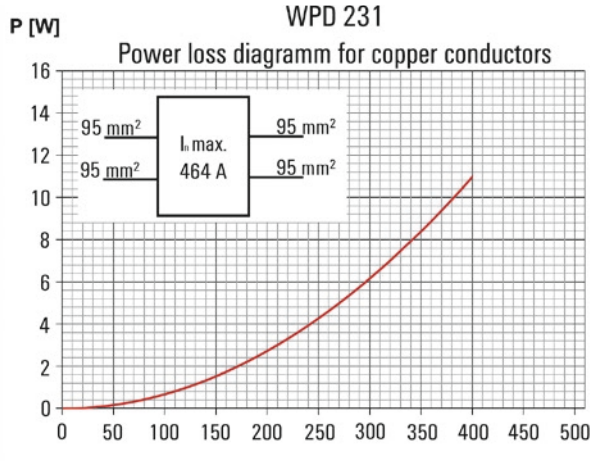
 Solid

 Flexible with ferrule

 Sector shaped

Diagrams





W-Series
WPD 132 1X185/1X185 GY

WPD 132	185 mm²

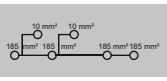


WPD 232	185 mm²



Width / Height / Depth	**37,5 / 73.5 / 105**	**67,6 / 73.5 / 105**
max. current / max. conductor	**353 / 185**	**353 / 185**
max. clamping range	**25...185**	**25...185**





Technical data

Rated data			IEC 60947-7-1			
			IEC	UL	CSA	EN 60079-7
Rated voltage		V	1000	1000	1000	1100
Rated current		A	353	310	310	353
for wire cross-section	185 mm²	mm²	185	AWG 4...kcmil 350	AWG 4...kcmil 350	185
	Auxiliary connection 6 mm²	mm²	6	AWG 16...8	AWG 16...8	6
Rated impulse withstand voltage / Pollution severity			8 kV / 3			
Overvoltage category / UL 94 flammability rating			III / V-0			
Approvals						

Clamped conductors (H05V/H07V)			Rated connection
Solid / Stranded	185 mm²	mm²	95...185 / 95...185
	Auxiliary connection 6 mm²	mm²	1.5...10 / 1.5...10
Flexible with ferrule	185 mm²	mm²	25...150
	Auxiliary connection 6 mm²	mm²	1.5...6
Stripping length / Blade size	185 mm²	mm/–	29 / M18 (SW 10)
	Auxiliary connection 6 mm²	mm/–	10 / M4 (+/- PZ2)
Tightening torque		Nm	see appendix at the end of the chapter
Note			

Clamped conductors (H05V/H07V)			Rated connection
Solid / Stranded	185 mm²	mm²	95...185 / 95...185
	Auxiliary connection 6 mm²	mm²	1.5...10 / 1.5...10
Flexible with ferrule	185 mm²	mm²	25...150
	Auxiliary connection 6 mm²	mm²	1.5...6
Stripping length / Blade size	185 mm²	mm/–	29 / M18 (SW 10)
	Auxiliary connection 6 mm²	mm/–	10 / M4 (+/- PZ2)
Tightening torque		Nm	see appendix at the end of the chapter
Note			

Ordering data

Version	Type	Qty.	Order No.
light grey	WPD 132 1X185/1X185 GY	1	**2502750000**
blue	WPD 132 1X185/1X185 BL	1	**2502760000**
green	WPD 132 1X185/1X185 GN	1	**2502770000**
brown	WPD 132 1X185/1X185 BN	1	**2502780000**
black	WPD 132 1X185/1X185 BK	1	**2502790000**
Note			

Version	Type	Qty.	Order No.
light grey	WPD 232 2X185/2X185 GY	1	**2502800000**
blue	WPD 232 2X185/2X185 BL	1	**2502810000**
green	WPD 232 2X185/2X185 GN	1	**2502820000**
brown	WPD 232 2X185/2X185 BN	1	**2502830000**
black	WPD 232 2X185/2X185 BK	1	**2502840000**
Note			

Accessories

Protective cover	Type	Qty.	Order No.
light grey	WPDPC X32 GY	12	**2503380000**
End bracket			
grey	WEW 35/2 GR 7042	100	**1859200000**
black	AEB 35 SC/1 BK	50	**2475310000**
Screwdriver			
SET	SK WSD-S 1,5-10,0	1	**9008850000**
Identification systems			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 8/5 MM WS	800	**2007150000**

Protective cover	Type	Qty.	Order No.
light grey	WPDPC X32 GY	12	**2503380000**
End bracket			
grey	WEW 35/2 GR 7042	100	**1859200000**
black	AEB 35 SC/1 BK	50	**2475310000**
Screwdriver			
SET	SK WSD-S 1,5-10,0	1	**9008850000**
Identification systems			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 8/5 MM WS	800	**2007150000**

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (AL+Cu)

Input (x1) / Output (x1)	Copper			Aluminium	
185 mm²	25 Nm			30,9 Nm	30,9 Nm
150 mm²		25 Nm			
120 mm²					
95 mm²					
70 mm²		20 Nm			
50 mm²					
35 mm²					
25 mm²					
Flat band 10x15,5x0,8 mm			30,9 Nm		
max. current with 2 x 185 mm² (acc. to IEC)	706 A			284 A	
Stripping lengths	29 mm				
Allen screw	M18 (SW 10 mm)				

Input (x1) / Output (x1)	Copper		Aluminium	
350 kcmil	250Lb In.		398Lb In.	398Lb In.
300 kcmil		250Lb In.		
250 kcmil				
AWG 3/0				
AWG 2/0				
AWG 1/0		200Lb In.		
AWG 2				
AWG 4				
max. current with 1 x 185 mm² (acc. to UL)	310 A		250 A	
Stripping lengths	29 mm			
Allen screw	M18 (SW 10 mm)			

Auxiliary connection

	Copper	
10 mm²	1,2 Nm	
6 mm²		1,2 Nm
4 mm²		
2.5 mm²		
1.5 mm²		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/-PZ2)	

	Copper	
AWG 8	20.3Lb In.	
AWG 10		20.3Lb In.
AWG 12		
AWG 14		
AWG 16		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/- PZ2)	

 Stranded

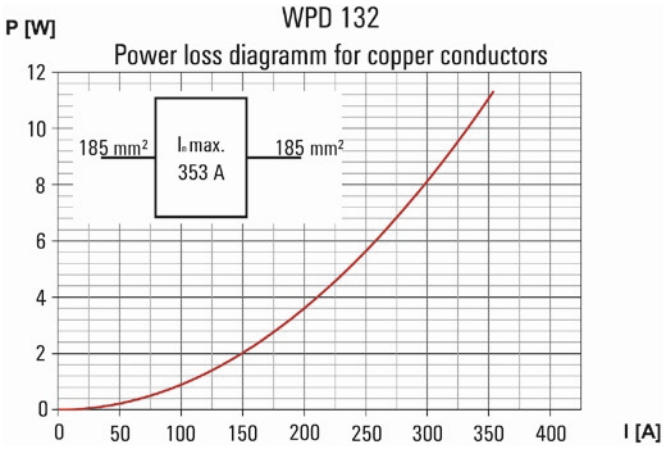
 Solid

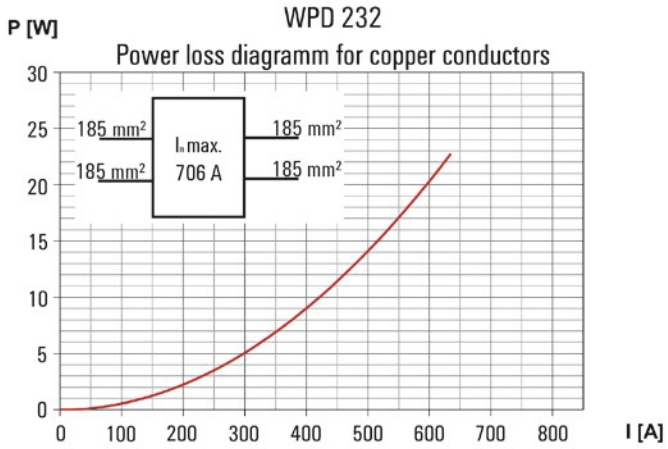
 Flexible with ferrule

 Sector shaped

 Flat band

Diagrams





W-Series
WPD 133 1X300/1X300 GY

WPD 133	300 mm²



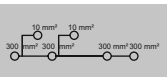
WPD 233	300 mm²



Width / Height / Depth	45 / 83.5 / 118	mm
max. current / max. conductor	520 / 300	A/mm²
max. clamping range	35...300	mm²



Width / Height / Depth	82.6 / 83.5 / 118	mm
max. current / max. conductor	520 / 300	A/mm²
max. clamping range	35...300	mm²



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	300 mm²	mm²
	Auxiliary connection 6 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	300 mm²	mm²
	Auxiliary connection 6 mm²	mm²
Flexible with ferrule	300 mm²	mm²
	Auxiliary connection 6 mm²	mm²
Stripping length / Blade size	300 mm²	mm/–
	Auxiliary connection 6 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	1100
520	420	420	340
300	AWG 2...kcmil 600	AWG 2...kcmil 600	300
6	AWG 16...8	AWG 16...8	6
		8 kV / 3	
		III / V-0	

Rated connection
150...300 / 150...300
1.5...10 / 1.5...10
35...240
1.5...6
34 / M24 (SW 12)
10 / M4 (+/- PZ2)
see appendix at the end of the chapter

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	1100
1040	420	420	340
300	AWG 2...kcmil 600	AWG 2...kcmil 600	300
6	AWG 16...8	AWG 16...8	6
		8 kV / 3	
		III / V-0	

Rated connection
150...300 / 150...300
1.5...10 / 1.5...10
35...240
1.5...6
34 / M24 (SW 12)
10 / M4 (+/- PZ2)
see appendix at the end of the chapter

Ordering data

Version	
	light grey
	blue
	green
	brown
	black
Note	

Type	Qty.	Order No.
WPD 133 1X300/1X300 GY	1	**2502850000**
WPD 133 1X300/1X300 BL	1	**2502860000**
WPD 133 1X300/1X300 GN	1	**2502870000**
WPD 133 1X300/1X300 BN	1	**2502880000**
WPD 133 1X300/1X300 BK	1	**2502890000**

Type	Qty.	Order No.
WPD 233 2X300/2X300 GY	1	**2502900000**
WPD 233 2X300/2X300 BL	1	**2502910000**
WPD 233 2X300/2X300 GN	1	**2502920000**
WPD 233 2X300/2X300 BN	1	**2502930000**
WPD 233 2X300/2X300 BK	1	**2502940000**

Accessories

Protective cover		
	light grey	
End bracket		
	grey	
	black	
Screwdriver		
	SET	
Identification systems		

Type	Qty.	Order No.
WPDPC X33 GY	8	**2503390000**
WEW 35/2 GR 7042	100	**1859200000**
AEB 35 SC/1 BK	50	**2475310000**
SK WSD-S 1,5-10,0	1	**9008850000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 8/5 MM WS	800	**2007150000**

Type	Qty.	Order No.
WPDPC X33 GY	8	**2503390000**
WEW 35/2 GR 7042	100	**1859200000**
AEB 35 SC/1 BK	50	**2475310000**
SK WSD-S 1,5-10,0	1	**9008850000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 8/5 MM WS	800	**2007150000**

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (AL+Cu)

Input (x1) / Output (x1)	Copper			Aluminium	
300 mm²	45 Nm			65 Nm	65 Nm
240 mm²		45 Nm			
185 mm²					
150 mm²					
120 mm²					
95 mm²		30 Nm			
70 mm²					
50 mm²					
35 mm²					
Flat band 10x20x1 mm			65 Nm		
Max. current with 2 x 300 mm² (acc. to IEC)	1040 A			340 A	
Stripping lengths	34 mm				
Allen screw	M24 (SW 12 mm)				

Input (x1) / Output (x1)	Copper		Aluminium	
600 kcmil	300Lb In.		575Lb In.	575Lb In.
500 kcmil		300Lb In.		
350 kcmil				
300 kcmil				
250 kcmil				
AWG 3/0		200Lb In.		
AWG 2/0				
AWG 1				
AWG 2				
Max. current at 1 x 300 mm² (acc. to UL)	420 A		340 A	
Stripping lengths	34 mm			
Allen screw	M24 (SW 12 mm)			

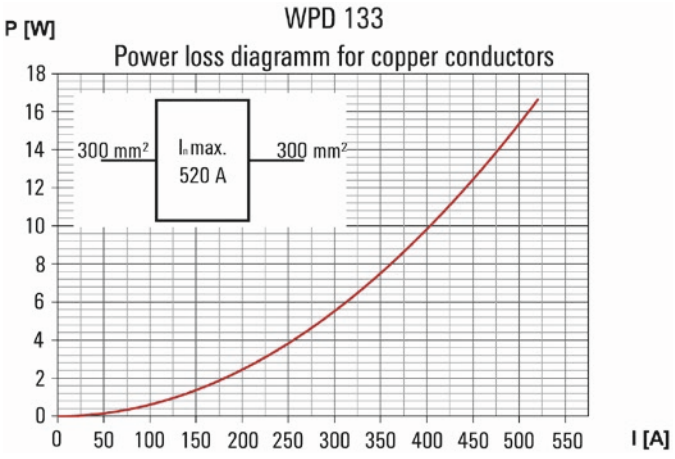
Auxiliary connection

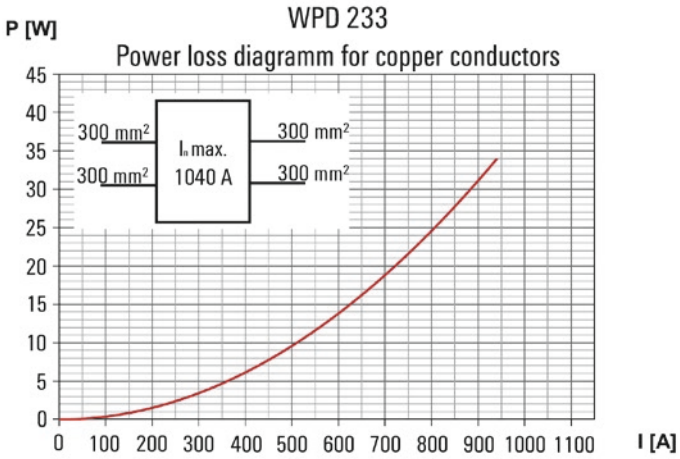
	Copper	
10 mm²	1,2 Nm	
6 mm²		1,2 Nm
4 mm²		
2.5 mm²		
1.5 mm²		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/-PZ2)	

	Copper	
AWG 8	20.3Lb In.	
AWG 10		20.3Lb In.
AWG 12		
AWG 14		
AWG 16		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/- PZ2)	

Stranded · Solid · Flexible with ferrule · Sector shaped · Flat band

Drawings





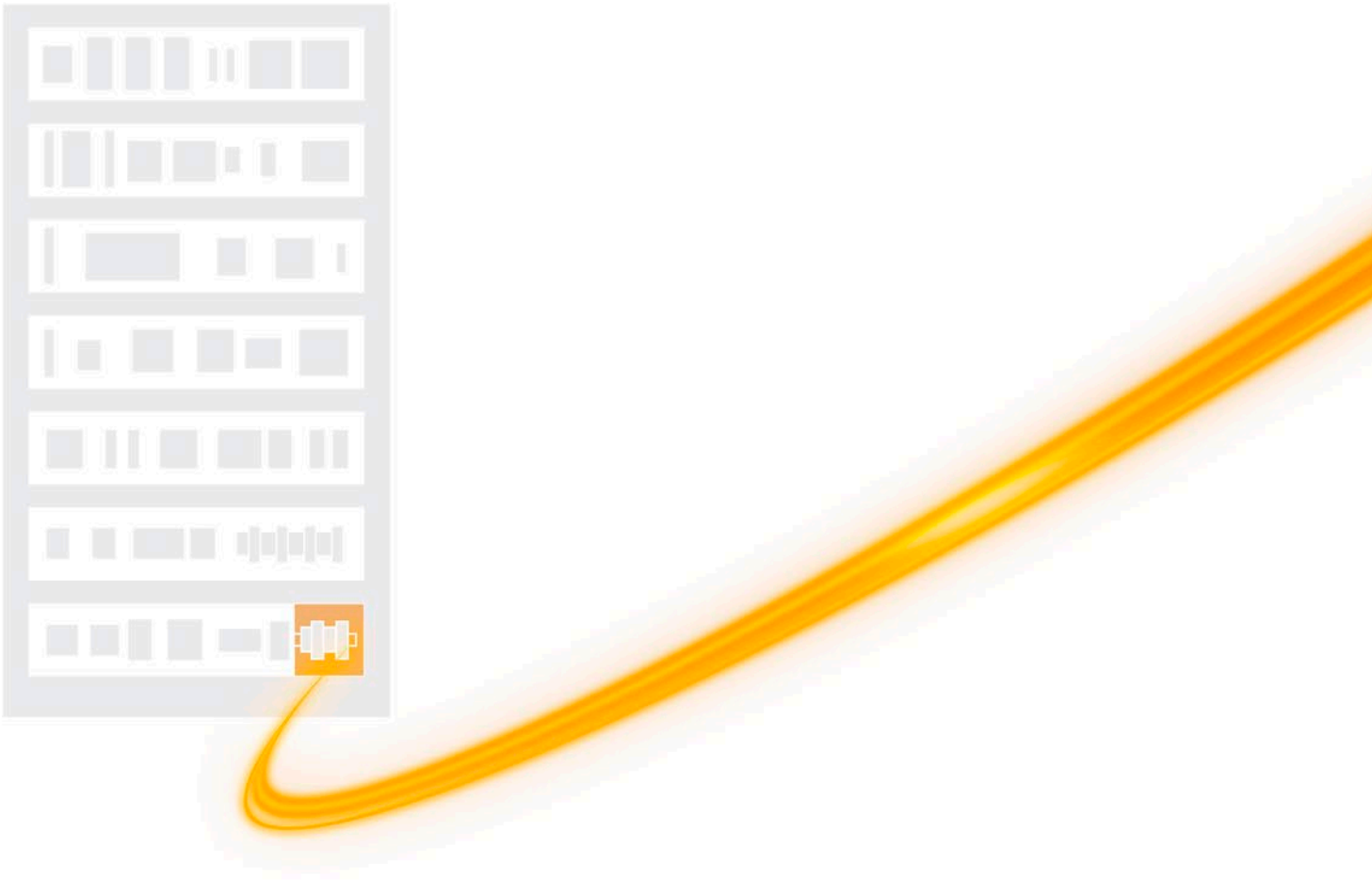
The secure and efficient way of distributing power

Klippon® Connect provides the required flexibility

Safe power supply to equipment such as motors is decisive for the availability of plants and machines. The use of increasingly large wire cross-sections and restricted space in the panel is increasing the demands on terminal blocks and distribution blocks and posing new challenges for panel planners. Our comprehensive product range for power distribution ensures excellent flexibility, even in the planning stages. The variety of possible combinations gives you just what you need for all power distribution requirements and enables compact panel design.

Our promise

Rapid installation and flexible combination options with Klippon® Connect, for simple, space-saving installation and increased productivity in the construction of switchgear and panel. This makes the design of your power distribution system noticeably more efficient.



Space saving
- Space-saving format and variety of functions in a single design
- Flexible expansion thanks to series arrangement and cross connection

Time saving
- Compatible with TS 35 terminal rail
- Optimised design for simple handling and fast installation, even under challenging conditions



Safety
- Safe conductor connection supported by step design
- Finger safety guaranteed in accordance with EN 50274
- Short-circuit resistance to highest SCCR standard

Flexibility
- Range of possible combinations for each requirement
- Can be used around the world thanks to international approvals

Our range

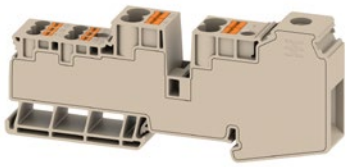


More space, more options – even for aluminium wires:
The slim design of our WPD X01–X03 main line branch terminals saves a great deal of space. With certification for aluminium conductors according to IEC 61238 “Class A” and a permissible voltage of 1,000 V DC, they meet all the requirements of complex applications.

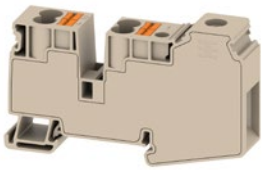


All-rounder for a better overview:
Our WPD X00 & X04-X09 distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables rapid, efficient implementation of space-saving power distribution.

AWPD 35 4X6/6X2.5 — 35 mm²



AWPD 35 4X10 — 35 mm²



Width / Height / Depth	mm	16.2 x 125 x 50			16.2 x 95 x 60	
		Screw 35 mm²	PUSH IN 35 mm²	PUSH IN 6 mm²	Screw 35 mm²	PUSH IN 10 mm²
max. current / max. conductor	A /mm²	105 / 35	24 / 2.5	41 / 6	105 / 35	50 / 10
max. clamping range	mm²	1.5...35	0.14...2.5	0.5...6	1.5...35	1...10

Technical data

			IEC 60947-1			IEC 60947-1	
			IEC	UL	CSA	IEC	UL	CSA
Rated voltage	Screw 35 mm²	V	1000			1000		
	PUSH IN 2.5 mm²	V	1000					
	PUSH IN 6 mm²	V	1000					
	PUSH IN 10 mm²	V				1000		
Rated current	Screw 35 mm²	A	110			110		
	PUSH IN 2.5 mm²	A	24					
	PUSH IN 6 mm²	A	41					
	PUSH IN 10 mm²	A				57		
for wire cross-section	Screw 35 mm²	mm²	35			35		
	PUSH IN 2.5 mm²	mm²	2.5					
	PUSH IN 6 mm²	mm²	6					
	PUSH IN 10 mm²	mm²				10		
			Screw 35 mm²	PUSH IN 2.5 mm²	PUSH IN 6 mm²	Screw 35 mm²	PUSH IN 10 mm²	
Rated impulse withstand voltage / Pollution severity			8kV / 3	8kV / 3	8kV / 3	8kV / 3	8kV / 3	
Gauge to IEC 60947-1			B9	A3	A5	B9	A6	
UL 94 flammability rating			V-0	V-0	V-0	V-0	V-0	
Approvals								
Clamped conductors (H05V/H07V)			Screw 35 mm²	PUSH IN 2.5 mm²	PUSH IN 6 mm²	Screw 35 mm²	PUSH IN 10 mm²	
Solid / Stranded		mm²	1.5...35 / 1.5...35	0.5...4 / 0.14...2.5	0.5...10 / 0.5...6	1.5...35 / 1.5...35	1...10 / 1...10	
flexible / flexible with ferrule		mm²	1.5...35 / 1.5...35	0.5...2.5 / 0.5...2.5	0.5...6 / 0.5...6	1.5...35 / 1.5...35	1...10 / 1...10	
Stripping length / Blade size		mm / mm	17 / 1 x 5.5	10 / 0.6 x 3.5	12 / 1 x 5.5	17 / 1 x 5.5	18 / 1 x 5.5	
Tightening torque		Nm	2.5			2.5		

Ordering data

Version		Type	Order No.
	dark beige	AWPD 35 4X6/6X2.5	2728620000

Type	Order No.
AWPD 35 4X10	2728630000

Accessories

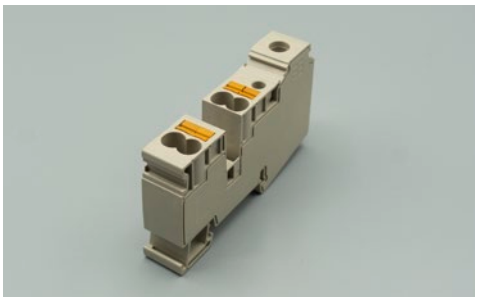
Pluggable cross-connection		Type	Rated current	Qty.	Order No.
for 1.5 mm²	2-pole	ZQV 1.5N/2	17.5 A	60	1985410000
	10-pole	ZQV 1.5N/10	17.5 A	20	1985580000
for 2.5 mm²	2-pole	ZQV 2.5N/2	24 A	60	1527540000
	10-pole	ZQV 2.5N/10	24 A	20	1527690000
for 6 mm²	2-pole	ZQV 4N/2	32 A	60	1527930000
	10-pole	ZQV 4N/10	32 A	20	1528090000
for 6 mm²	2-pole	ZQV 6N/2	41 A	60	1985740000
	4-pole	ZQV 6N/10	41 A	60	1985780000
End bracket					
	dark beige	AEB 35 SCL/1 V0		50	2661280000
Test adapter					
	1-pole	ATPG 1.5-10 L		50	1991890000
	1-pole	PS 2.0 MC		20	310000000
Screwdriver					
for 2.5 mm² PUSH IN	Standard	SDIS 0.6X3.5X100		1	2749810000
for 6 mm² PUSH IN	Standard	SDIS 1.0X5.5X125		1	2749850000
for 10 mm² PUSH IN	Standard	SDIS 1.0X5.5X125		1	2749850000
for 35 mm² Screw	Standard	SDIS 1.0X5.5X125		1	2749850000
Identification systems					
		DEK 5/5 PLUS MC NE WS		1000	1854490000
		DEK 5/5 MM WS		800	2007110000
		DEK 8/5 MM WS		800	2007150000
		WS-A 8/16 MM WS		200	2619910000
For detailed information on other accessories and application in the online catalogue		All MultiMark variants (MM) = strip markers			

Type	Rated current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
ZQV 6N/2	41 A	60	1985740000
ZQV 6N/10	41 A	60	1985780000
AEB 35 SCL/1 V0		50	2661280000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	310000000
SDIS 0.6X3.5X100		1	2749810000
SDIS 1.0X5.5X125		1	2749850000
SDIS 1.0X5.5X125		1	2749850000
SDIS 1.0X5.5X125		1	2749850000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
DEK 8/5 MM WS		800	2007150000
WS-A 8/16 MM WS		200	2619910000
All MultiMark variants (MM) = strip markers			

AWPD potential distribution terminal block

The potential distribution terminal block AWPD 35 can be fed by wires of crosssection 1.5 or 35 mm2. Over standard cross-connections the potential is distributed over any number of terminals blocks of smaller crosssection. Some variants for potential distribution during feed-in are indicated in the table below, including the cross-connection which can be used and the maximum current allowed.

Integrated into separation plate







Maximum current flow I_{max} only with AWPD 35 4X10

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right
AWPD 35 4X10	ZQV 6N	35 mm²	82 A

Maximum current flow I_{max} only with AWPD 35 4X6/6X2.5

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right
AWPD 35 4X6/6X2.5	ZQV 6N	35 mm²	82 A

Maximum current flow I_{max} only with AWPD 35 4X10

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
AWPD 35 4X10	ZQV 6N	35 mm²	41 A	82 A

Maximum current flow I_{max} only with AWPD 35 4X6/6X2.5

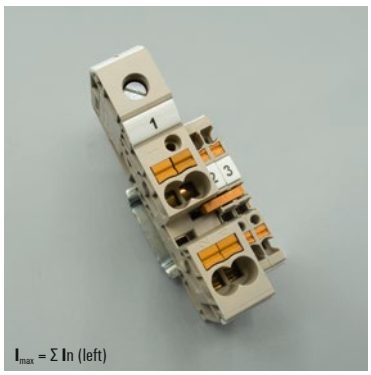
Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
AWPD 35 4X6/6X2.5	ZQV 6N	35 mm²	41 A	82 A

Maximum current flow I_{max} only with AWPD 35 4X6/6X2.5

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	35 mm²	48 A	72 A
A3C 1.5	ZQV 1.5N	35 mm²	48 A	72 A
A4C 1.5	ZQV 1.5N	35 mm²	48 A	72 A
A2C 2.5	ZQV 2.5N	35 mm²	68 A	76 A
A3C 2.5	ZQV 2.5N	35 mm²	68 A	76 A
A4C 2.5	ZQV 2.5N	35 mm²	68 A	76 A
A2C 4	ZQV 4N	35 mm²	76 A	76 A
A3C 4	ZQV 4N	35 mm²	76 A	76 A
A4C 4	ZQV 4N	35 mm²	76 A	76 A
A2C 6	ZQV 6N	35 mm²	76 A	82 A
A3C 6	ZQV 6N	35 mm²	76 A	82 A

Maximum current flow I_{max} only with AWPD 35 4X10

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	35 mm²	48 A	72 A
A3C 1.5	ZQV 1.5N	35 mm²	48 A	72 A
A4C 1.5	ZQV 1.5N	35 mm²	48 A	72 A
A2C 2.5	ZQV 2.5N	35 mm²	68 A	76 A
A3C 2.5	ZQV 2.5N	35 mm²	68 A	76 A
A4C 2.5	ZQV 2.5N	35 mm²	68 A	76 A
A2C 4	ZQV 4N	35 mm²	76 A	76 A
A3C 4	ZQV 4N	35 mm²	76 A	76 A
A4C 4	ZQV 4N	35 mm²	76 A	76 A
A2C 6	ZQV 6N	35 mm²	76 A	82 A
A3C 6	ZQV 6N	35 mm²	76 A	82 A



I_{max} = Σ In (left)



I_{max} = Σ In (left) + Σ In (right)



I_{max} = Σ In (right)

W-Series
WPD 100 2X25/6X10 GY

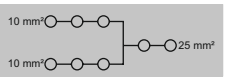
WPD 100 | 25 mm²





Width / Height / Depth	mm
max. current / max. conductor	A/mm²
max. clamping range	mm²

30.2 / 49 / 55.4	
101 / 25	
1.5...25	



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	25 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	25 mm²	mm²
	10 mm²	mm²
Flexible with ferrule	25 mm²	mm²
	10 mm²	mm²
Stripping length / Blade size	25 mm²	mm/–
	10 mm²	mm/–
Tightening torque		Nm
Note		

DIN EN 60998-1, IEC 61238-1A

IEC	UL	CSA	EN 60079-7
1000			
101			
25			
		8 kV / 3	
		III / V-0	

Rated connection
2.5...25 / 2.5...25
1.5...10 / 1.5...10
1.5...16
1.5...6
17 / M6 (+/- PZ2)
9 / M5 (+/- PZ2)
see appendix at the end of the chapter





Ordering data

Version	
	lichtgrau
	blau
	grün
Note	

Type	Qty.	Order No.
WPD 100 2X25/6X10 GY	1	1561910000
WPD 100 2X25/6X10 BI	1	1561920000
WPD 100 2X25/6X10 GN	1	1561930000

Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000

Conductor connection data according to DIN EN 60998-1 (Cu), IEC 61238-1 class A (Cu+Al)

OInput (x2)	Copper		Aluminium
2x25 mm²			
25 mm²	3 Nm		4 Nm
16 mm²		3 Nm	
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	17 mm		
screw	M6 (+/- PZ2)		

Output (x6)	Copper		Aluminium
6x16 mm²			
10 mm²	2 Nm		3 Nm
6 mm²		2 Nm	
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	9 mm		
screw	M5 (+/- PZ2)		

Stranded


Solid

Flexible with ferrule

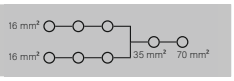
W-Series
WPD 110 1X70+1X35/6X16 GY

WPD 110 — 70 mm²





Width / Height / Depth	38.5 / 63 / 69.5 mm
max. current / max. conductor	192 / 70 A/mm²
max. clamping range	1.5...70 mm²



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	70 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	70 mm²	mm²
	35 mm²	mm²
	16 mm²	mm²
Flexible with ferrule	70 mm²	mm²
	35 mm²	mm²
	16 mm²	mm²
Stripping length / Blade size	70 mm²	mm/–
	35 mm²	mm/–
	16 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
192			
70			
		8 kV / 3	
		III / V-0	

Rated connection
10...70 / 4...35
4...35 / 4...35
1.5...16 / 1.5...16
6...50
2.5...25
1.5...10
27 / M10
26 / M8
13 / M6
see appendix at the end of the chapter





Ordering data

Version	
	light grey
	blue
	green
Note	

Type	Qty.	Order No.
WPD 110 1X70+1X35/6X16 GY		2603810000
WPD 110 1X70+1X35/6X16 BL		2603820000
WPD 110 1X70+1X35/6X16 GN		2603830000

Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000

Conductor connection data according to DIN EN 60998-1 (Cu), IEC 61238-1 class A (Cu+Al)

Input	Copper		Aluminium
1x 70 mm²			
70 mm²	10 Nm		12 Nm
50 mm²		10 Nm	
35 mm²			
25 mm²			
16 mm²			
10 mm²			
6 mm²			
Stripping lengths	27 mm		
Screw	M10 (+/- PZ2)		

Input	Copper		Aluminium
1x 35 mm²			
35 mm²	6 Nm		
25 mm²		6 Nm	
16 mm²			
10 mm²			
6 mm²			
4 mm²			
2,5 mm²			
Stripping lengths	26 mm		
Screw	M8 (+/- PZ2)		

Output	Copper		Aluminium
6x 16 mm²			
16 mm²	3 Nm		10 Nm
10 mm²		3 Nm	
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	13 mm		
Screw	M6 (+/- PZ2)		

 Stranded

 Solid

 Flexible with ferrule

W-Series
WPD 101 2X25/2X16 GY

	WPD 101	25 mm²	WPD 301	25 mm²
				
Width / Height / Depth	17.8 / 49.3 / 55.7		53 / 49.3 / 55.7	
max. current / max. conductor	101 / 25		101 / 25	
max. clamping range	1.5...25		1.5...25	

Technical data

Rated data			IEC 60947-7-1, DIN EN 0603-3-1				IEC 60947-7-1, DIN EN 0603-3-1			
			IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage		V	1000	600	600		1000	600	600	
Rated current		A	101	85	90		101	85	90	
for wire cross-section	25 mm²	mm²	25	AWG 16...4	AWG 16...4		25	AWG 16...4	AWG 16...4	
Rated impulse withstand voltage / Pollution severity				8 kV / 3				8 kV / 3		
Overvoltage category / UL 94 flammability rating				III / V-0				III / V-0		
Approvals										
Clamped conductors (H05V/H07V)			**Rated connection**				**Rated connection**			
Solid / Stranded	25 mm²	mm²	2.5...25 / 2.5...25				2.5...25 / 2.5...25			
	16 mm²	mm²	4...25 / 4...25				4...25 / 4...25			
Flexible with ferrule	25 mm²	mm²	1.5...16				1.5...16			
	16 mm²	mm²	2.5...16				2.5...16			
Stripping length / Blade size	25 mm²	mm/–	19 / M6 (+/- PZ2)				19 / M6 (+/- PZ2)			
	16 mm²	mm/–	19 / M6 (+/- PZ2)				19 / M6 (+/- PZ2)			
Tightening torque		Nm	see appendix at the end of the chapter				see appendix at the end of the chapter			
Note										

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
light grey		WPD 101 2X25/2X16 GY	5	**1560730000**	WPD 301 2X25/2X16 3XGY	2	**1561130000**
blue		WPD 101 2X25/2X16 BL	5	**1560670000**			
green		WPD 101 2X25/2X16 GN	5	**1560650000**			
brown		WPD 101 2X25/2X16 BN	5	**1561120000**			
black		WPD 101 2X25/2X16 BK	5	**1561100000**			
3x light grey / blue							
green / 3x light grey / blue							
Note							

Accessories

End bracket		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige		WEW 35/2	100	**1061200000**	WEW 35/2	100	**1061200000**
dark beige		AEB 35 SC/1	50	**1991920000**	AEB 35 SC/1	50	**1991920000**
Screwdriver							
		SDK PZ2 X 100	1	**2749450000**	SDK PZ2 X 100	1	**2749450000**

WPD 401 — 25 mm²



71.6 / 49.3 / 55.7
101 / 25
1.5...25



IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

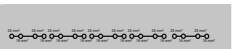
Type	Qty.	Order No.
WPD 401 2X25/2X16 4XGY	1	1561800000
WPD 401 2X25/2X16 3XGY/1XBL	1	1562130000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000

WPD 501 — 25 mm²



88.8 / 49.3 / 55.7
101 / 25
1.5...25



IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 501 2X25/2X16 5XGY	1	1561750000
WPD 501 2X25/2X16 1XGN/3XGY/1XBL	1	1562140000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000









Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

OInput (x2) / Output (x2)	Copper		Aluminium
2x35 mm² (round conductor)			
25 mm²	3,5 Nm		4 Nm
16 mm²		3,5 Nm	
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	19 mm		
screw	M6 (+/- PZ2)		

OInput (x2) / Output (x2)	Copper		Aluminium
2x16 mm² (round conductor)			
35 mm²	2,5 Nm		
25 mm²			4 Nm
16 mm²		2,5 Nm	
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
Stripping lengths	19 mm		
screw	M6 (+/- PZ2)		

Mehrdrähtig Eindrähtig Feindrähtig mit Aderendhülse

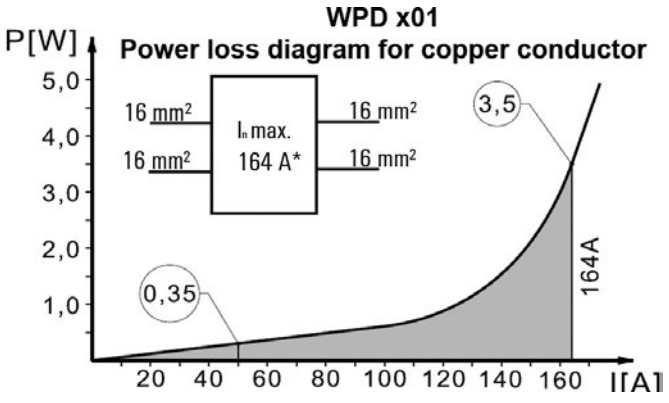
UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				
	connection point A				CP** B
Input (line)	Copper		Aluminium		Copper
AWG 2/0	88.5 Lb In.		120.4 Lb In.	100 Lb In.	
AWG 1/0		88.5 Lb In.			
AWG 2					
AWG 4					
AWG 6					
AWG 8					
AWG10					
Flat band 15.5x3.2 mm					17.4 Lb In.
max. current	160 A	150 A	135 A	120 A	160 A
Voltage size B,C (UR)	600 V				
** CP - connection point					

CSA rating data according to CSA 22.2 No. 158

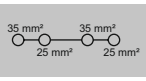
Certificate No. (cURus)	XCFR8.E60693	
Voltage size B,C (cURus) - Cu	600 V	
	Current size B,C (cURus) - CU / CU / Tightening torque	
	Line	Load
AWG 4	90 A / 2,5 Nm	
AWG 6		65 A / 2,1 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		
AWG 16		

Voltage size C (cURus) - AL	600 V	
	Current size B,C (cURus) - AL / AL / Tightening torque	
	Line	Load
AWG 4	65 A / 4 Nm	
AWG 6	50 A / 4 Nm	65 A / 4 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		
AWG 16		



*max. current at 2 x 16 mm² (according to IEC)

W-Series
WPD 401 2X25/2X16 4XGY

	WPD 102	WPD 302
	35 mm²	35 mm²
		
Width / Height / Depth	22.2 / 49.3 / 55.7	66.6 / 49.3 / 55.7
max. current / max. conductor	125 / 35	125 / 35
max. clamping range	2.5...35	2.5...35
		

Technical data

			WPD 102	WPD 302
Rated data				
Rated voltage		V	1000	1000
Rated current		A	125	125
for wire cross-section	35 mm²	mm²	35	35
Rated impulse withstand voltage / Pollution severity			8 kV / 3	8 kV / 3
Overvoltage category / UL 94 flammability rating			III / V-0	III / V-0
Approvals			IEC 60947-7-1, DIN EN 0603-3-1	IEC 60947-7-1, DIN EN 0603-3-1
Clamped conductors (H05V/H07V)				
Solid / Stranded	35 mm²	mm²	AWG 14...2	AWG 14...2
	25 mm²	mm²		
Flexible with ferrule	35 mm²	mm²	AWG 14...2	AWG 14...2
	25 mm²	mm²		
Stripping length / Blade size	35 mm²	mm/–	22 / M6 (+/- PZ2)	22 / M6 (+/- PZ2)
	25 mm²	mm/–	18 / M6 (+/- PZ2)	18 / M6 (+/- PZ2)
Tightening torque		Nm	see appendix at the end of the chapter	see appendix at the end of the chapter
Note				

	IEC	UL	CSA	EN 60079-7
WPD 102	1000	600	600	
	125	115	125	
	35	AWG 14...2	AWG 14...2	
WPD 302	1000	600	600	
	125	115	125	
	35	AWG 14...2	AWG 14...2	

	Rated connection
WPD 102	4...35 / 4...35
	4...35 / 4...35
	2.5...25
	2.5...25
	22 / M6 (+/- PZ2)
	18 / M6 (+/- PZ2)
	see appendix at the end of the chapter
WPD 302	4...35 / 4...35
	4...35 / 4...35
	2.5...25
	2.5...25
	22 / M6 (+/- PZ2)
	18 / M6 (+/- PZ2)
	see appendix at the end of the chapter

Ordering data

Version		Type	Qty.	Order No.
	light grey	WPD 102 2X35/2X25 GY	5	1561680000
	blue	WPD 102 2X35/2X25 BL	5	1561640000
	green	WPD 102 2X35/2X25 GN	5	1561670000
	brown	WPD 102 2X35/2X25 BN	5	1561650000
	black	WPD 102 2X35/2X25 BK	5	1561630000
Note				

Type	Qty.	Order No.
WPD 302 2X35/2X25 3XGY	2	1561740000

Accessories

End bracket		Type	Qty.	Order No.
	dark beige	WEW 35/2	100	1061200000
	dark beige	AEB 35 SC/1	50	1991920000
Screwdriver				
		SDK PZ2	1	9008540000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2	1	9008540000

Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

OInput (x2) / Output (x2)	Copper		Aluminium
2x35 mm² (round conductor)			
35 mm²	3,5 Nm		8 Nm
25 mm²		3,5 Nm	6 Nm
16 mm²			4 Nm
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	22 mm		
screw	M6 (+/- PZ2)		

OInput (x2) / Output (x2)	Copper		Aluminium
2x25 mm² (Rundleiter)			
35 mm²	3,5 Nm		
25 mm²		3,5 Nm	6 Nm
16 mm²			4 Nm
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	18 mm		
screw	M6 (+/- PZ2)		

Stranded Solid Flexible with ferrule

UL Rating data according to UL 1059

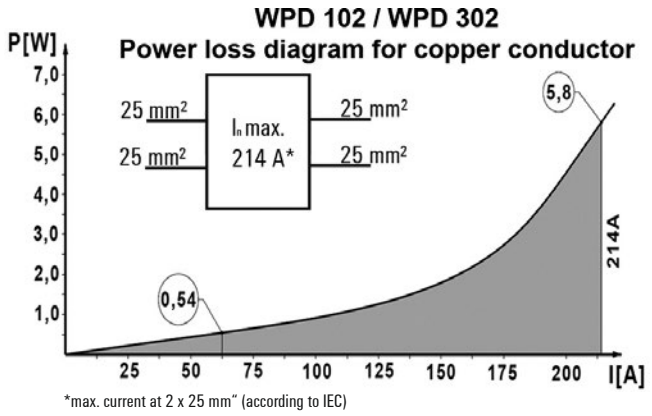
Certificate no. (UR)	XCFR2.E60693	
Voltage size B,C (UR) - CU	600 V	
	Current size B,C (UR) - CU / Tightening torque	
	Line	Load
AWG 2	115 A / 31 Lb In.	
AWG 4		85 A / 22.1 Lb In.
AWG 6		
AWG 8		
AWG 10		
AWG 12		
AWG 14		

Voltage size B,C (UR) - AL	600 V	
	Current size B,C (UR) - AL / Tightening torque	
	Line	Load
AWG 2	65 A / 70.8 Lb In.	65 A / 53 Lb In.
AWG 4	50 A / 70.8 Lb In.	50 A / 35 Lb In.
AWG 6		
AWG 8		
AWG 10		
AWG 12		
AWG 14		

CSA rating data according to CSA 22.2 No. 158

Certificate No. (cURus)	XCFR8.E60693	
Voltage size B,C (cURus) - Cu	600 V	
	Current size B,C (cURus) - CU / CU / Tightening torque	
	Line	Load
AWG 2	125 A / 3,5 Nm	
AWG 4		85 A / 2,5 Nm
AWG 6		
AWG 8		
AWG 10		
AWG 12		
AWG 14		

Voltage size C (cURus) - AL	600 V	
	Current size B,C (cURus) - AL / AL / Tightening torque	
	Line	Load
AWG 2	90 A / 8 Nm	
AWG 4	65 A / 6 Nm	90 A / 8 Nm
AWG 6	50 A / 4 Nm	65 A / 6 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		



*max. current at 2 x 25 mm² (according to IEC)

W-Series
WPD 202 4x35/4x25 GY

WPD 202	35 mm²





Width / Height / Depth	**mm**
max. current / max. conductor	**A/mm²**
max. clamping range	**mm²**

43.2 / 49.3 / 55.7	
125 / 35	
2.5...35	



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	35 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	35 mm²	mm²
	25 mm²	mm²
Flexible with ferrule	35 mm²	mm²
	25 mm²	mm²
Stripping length / Blade size	35 mm²	mm/–
	25 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
125	115	125	
35	AWG 14...2	AWG 14...2	
	8 kV / 3		
	III / V-0		

Rated connection
4...35 / 4...35
4...35 / 4...35
2.5...25
2.5...25
22 / M6 (+/- PZ2)
18 / M6 (+/- PZ2)
see appendix at the end of the chapter

Ordering data

Version
light grey
blue
green
brown
black
Note

Type	**Qty.**	**Order No.**
WPD 202 4x35/4x25 GY	2	**1561730000**
WPD 202 4x35/4x25 BL	2	**1561700000**
WPD 202 4x35/4x25 GN	2	**1561620000**
WPD 202 4x35/4x25 BN	2	**1561720000**
WPD 202 4x35/4x25 BK	2	**1561690000**





Accessories

End bracket
dark beige
dark beige
Screwdriver

Type	**Qty.**	**Order No.**
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**

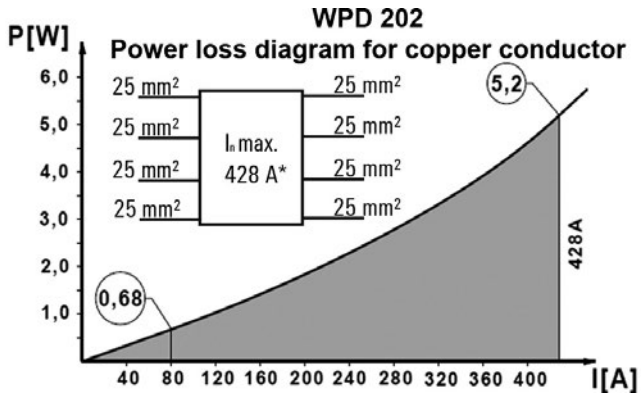


Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

Input (x4) / Output (x4)	Copper		Aluminium
4x35 mm² (round conductor)			
35 mm²	3,5 Nm		8 Nm
25 mm²		3,5 Nm	6 Nm
16 mm²			4 Nm
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	22 mm		
screw	M8 (+/- PZ2)		

Input (x4) / Output (x4)	Copper		Aluminium
4x25 mm² (round conductor)			
35 mm²	3,5 Nm		
25 mm²		3,5 Nm	6 Nm
16 mm²			4 Nm
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	18 mm		
screw	M6 (+/- PZ2)		

Stranded Solid Flexible with ferrule



*max. current at 4 x 25 mm² (according to IEC)

W-Series
WPD 103 2X70/2X50 GY

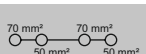
WPD 103	70 mm²





Width / Height / Depth	**mm**
max. current / max. conductor	**A/mm²**
max. clamping range	**mm²**

32.9 / 53.1 / 63	
192 / 70	
6...70	



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	70 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	70 mm²	mm²
	50 mm²	mm²
Flexible with ferrule	70 mm²	mm²
	50 mm²	mm²
Stripping length / Blade size	70 mm²	mm/–
	50 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
192	160	160	
70	AWG 10...2/0	AWG 10...2/0	
	8 kV / 3		
	III / V-0		

Rated connection
10...70 / 4...35
10...50 / 10...50
6...50
6...50
25 / M10 (SW 4)
20 / M8 (SW 4)
see appendix at the end of the chapter





Ordering data

Version	
	light grey
	blue
	green
	brown
	black
Note	

Type	Qty.	Order No.
WPD 103 2X70/2X50 GY	3	**1561770000**
WPD 103 2X70/2X50 BL	3	**1561780000**
WPD 103 2X70/2X50 GN	3	**1561790000**
WPD 103 2X70/2X50 BN	3	**1561820000**
WPD 103 2X70/2X50 BK	3	**1561830000**



Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	
	SET

Type	Qty.	Order No.
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SK WSD-S 1,5-10,0	1	**9008850000**

Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

OInput (x2) / Output (x2)	Copper		Aluminium
2x70 mm² (round conductor)			
70 mm²	10 Nm		18 Nm
50 mm²		10 Nm	10 Nm
35 mm²			8 Nm
25 mm²			6 Nm
16 mm²			4 Nm
10 mm²			
6 mm²			
4 mm²			
Stripping lengths	25 mm		
screw	M10 (SW 4 mm)		

OInput (x2) / Output (x2)	Copper		Aluminium
2x90 mm² (round conductor)			
70 mm²	6 Nm	6 Nm	
50 mm²			10 Nm
35 mm²			8 Nm
25 mm²			6 Nm
16 mm²			4 Nm
10 mm²			
6 mm²			
4 mm²			
Stripping lengths	20 mm		
screw	M8 (SW 4 mm)		

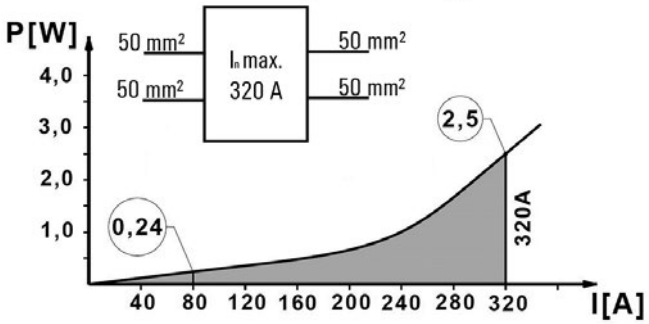
Stranded Solid Flexible with ferrule

CSA rating data according to CSA 22.2 No. 158

Certificate No. (cURus)	XCFR8.E60693	
Voltage size B,C (cURus) - Cu	600 V	
	Current size B,C (cURus) - CU / CU / Tightening torque	
	Line	Load
AWG 2/0	160 A / 10 Nm	150 A / 6 Nm
AWG 1/0		
AWG 2		
AWG 4		
AWG 6		
AWG 8		
AWG 10		

Voltage size C (cURus) - AL	600 V	
	Current size B,C (cURus) - AL / AL / Tightening torque	
	Line	Load
AWG 2/0	135 A / 18 Nm	
AWG 1/0	120 A /10 Nm	1351 A / 10 Nm
AWG 2	90 A / 8 Nm	120 A / 10 Nm
AWG 4	65 A / 6 Nm	90 A / 8 Nm
AWG 6	50 A / 4 Nm	
AWG 8		
AWG 10		

WPD 103
Power loss diagram for copper conductor



*max. current at 2 x 50 mm² (according to IEC)

W-Series
WPD 104 1x25+1x16/2x16+3x10

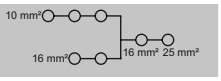
WPD 104	25 mm²

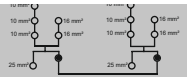


WPD 204	25 mm²



Width / Height / Depth	31.5 / 49 / 68	63 / 49 / 68
max. current / max. conductor	101 / 25	101 / 25
max. clamping range	1.5...25	1.5...25





Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	25 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	25 mm²	mm²
	16 mm²	mm²
	10 mm²	mm²
Flexible with ferrule	25 mm²	mm²
	16 mm²	mm²
	10 mm²	mm²
Stripping length / Blade size	25 mm²	mm/–
	16 mm²	mm/–
	10 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
1.5...16 / 1.5...16
1.5...10 / 1.5...10
1.5...16
1.5...10
1.5...6
12 / M5
14 / M6
19 / M6
see appendix at the end of the chapter

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
1.5...16 / 1.5...16
1.5...10 / 1.5...10
1.5...16
1.5...10
1.5...6
12 / M5
14 / M6
19 / M6
see appendix at the end of the chapter

Ordering data

Version		Type	Qty.	Order No.
	grey	WPD 104 1x25+1x16/2x16+3x10 GY	1	1562000000
	blue	WPD 104 1x25+1x16/2x16+3x10 BL	1	2518250000
	red	WPD 104 1x25+1x16/2x16+3x10 RD	1	2725260000
	black	WPD 104 1x25+1x16/2x16+3x10 BK	1	2725360000
Note				

Type	Qty.	Order No.
WPD 204 2X25/4X16+6X10 2XGY	1	1562150000
WPD 204 2X25/4X16+6X10 2XBL	1	2518330000
WPD 204 2x25/4x16+6x10 2xRD	1	2725290000
WPD 204 2x25/4x16+6x10 2xBK	1	2725390000

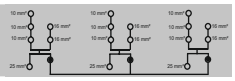
Accessories

Cross connection		Type	Qty.	Order No.
	2-pole	WQB WPD X04/2	20	1561980000
	3-pole	WQB WPD X04/3	20	1561990000
End bracket				
	dark beige	WEW 35/2	100	1061200000
	dark beige	AEB 35 SC/1	50	1991920000
Screwdriver				
	SET	SDK PZ2 X 100	1	2749450000
		SK WSD-S 1,5-10,0	1	9008850000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000

WPD 304 — 25 mm²





94.5 / 49 / 68	
101 / 25	
1.5...25	







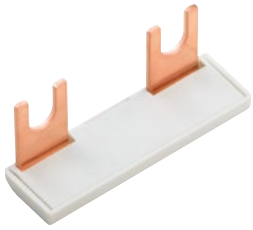
IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

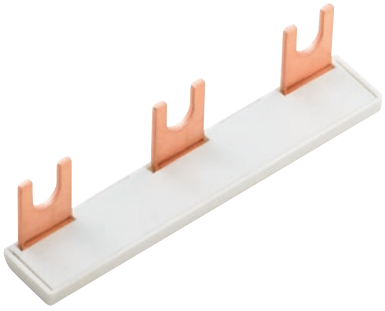
IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
1.5...16 / 1.5...16
1.5...10 / 1.5...10
1.5...16
1.5...10
1.5...6
12 / M5
14 / M6
19 / M6
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 304 3X25/6X16+9X10 3XGY	1	1562160000
WPD 304 3X25/6X16+9X10 3XBL	1	2518340000
WPD 304 3x25/6x16+9x10 3xRD	1	2725300000
WPD 304 3x25/6x16+9x10 3xBK	1	2725400000

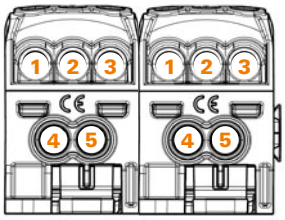
Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000



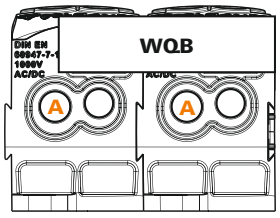


Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

Input	connection point A			
	Copper		Aluminium*	
				
25 mm²	2,5 Nm		5,1 Nm	
16 mm²		2,5 Nm		5,1 Nm
10 mm²				
6 mm²				
4 mm²				
2.5 mm²				
1.5 mm²				
Stripping lengths	19 mm			
Allen screw	M6			
* Values according to UL 1059				



output



input

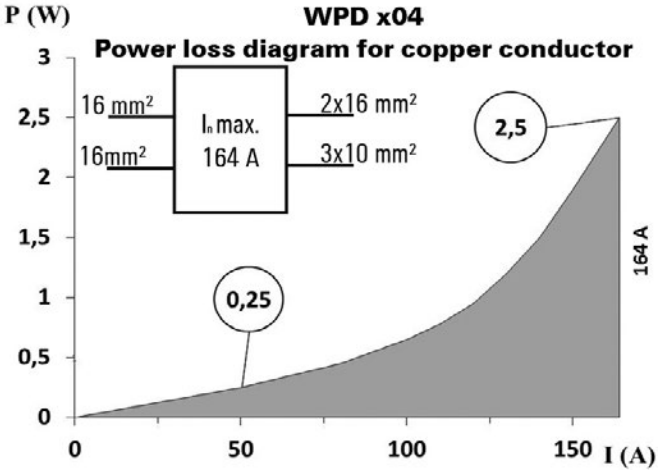
Output	connection point 1/2/3				connection point 4/5				connection point B			
	Copper		Aluminium*		Copper		Aluminium*		Copper		Aluminium*	
												
16 mm²							5,1 Nm					
10 mm²	2 Nm		5,1 Nm		2,5 Nm			5,1 Nm	2,5 Nm		5,1 Nm	
6 mm²		2 Nm				2,5 Nm				2,5 Nm		
4 mm²												
2.5 mm²												
1.5 mm²												
Stripping lengths	12 mm				14 mm				19 mm			
Allen screw	M5				M6				M6			
* Values according to UL 1059												


Stranded

Solid

Flexible with ferrule

Sector shaped



UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693			
	connection point A			
Input (line)	Copper		Aluminium	
				
AWG 4	22.1 Lb In.		45.1 Lb In.	
AWG 6		22.1 Lb In.		45.1 Lb In.
AWG 8				
AWG 10				
AWG 12				
max. current	85 A	65 A	65 A	50 A
Voltage size B,C (UR)	600 V			

output (load)	connection point 1/2/3				connection point 4/5				connection point B			
	Copper		Aluminium		Copper		Aluminium		Copper		Aluminium	
												
AWG 4							45.1 Lb In.					
AWG 6	22.1 Lb In.		45.1 Lb In.		22.1 Lb In.			45.1 Lb In.	22.1 Lb In.		45.1 Lb In.	
AWG 8		22.1 Lb In.				22.1 Lb In.				22.1 Lb In.		
AWG 10												
AWG 12												
AWG 14												
AWG 16												
max. current	65 A	50 A	50 A		85 A	65 A	65 A	50 A	65 A	50 A	50 A	
Voltage size B,C (UR)	600 V											

 Mehrdrähtig

 Eindrähtig

 Feindrähtig mit Aderendhülse

CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

Certificate No. (CSA)	269832			
	Input		Output	
	CP* A	CP* 1/2/3	CP* 4/5	CP*B
AWG 4	2,5 Nm.			
AWG 6				2,5 Nm
AWG 8		2,5 Nm	2,5 Nm	
AWG 10				
AWG 12				
AWG 14				
AWG 16				
max. current	85 A	50 A	50 A	65 A
Voltage size C (CSA)	600 V			
* CP - connection point				

W-Series
WPD 105 1x35+1x16/2x25+3x16

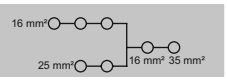
WPD 105	35 mm²

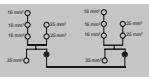


WPD 205	35 mm²



Width / Height / Depth	35.6 / 53.7 / 70	71.2 / 53.7 / 70
max. current / max. conductor	125 / 35	125 / 35
max. clamping range	2.5...35	2.5...35





Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	35 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	35 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Flexible with ferrule	35 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Stripping length / Blade size	35 mm²	mm/–
	25 mm²	mm/–
	16 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	115	85	125
35	AWG 12...2	AWG 12...2	35
8 kV / 3			
III / V-0			

Rated connection
4...35 / 4...35
2.5...25 / 2.5...25
1.5...16 / 1.5...16
2.5...25
1.5...16
1.5...10
19 / M8
14 / M6
12 / M6
see appendix at the end of the chapter

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	115	85	125
35	AWG 12...2	AWG 12...2	35
8 kV / 3			
III / V-0			

Rated connection
4...35 / 4...35
2.5...25 / 2.5...25
1.5...16 / 1.5...16
2.5...25
1.5...16
1.5...10
19 / M8
14 / M6
12 / M6
see appendix at the end of the chapter

Ordering data

Version		Type	Qty.	Order No.
	grey	WPD 105 1x35+1x16/2x25+3x16 GY	1	1562170000
	blue	WPD 105 1x35+1x16/2x25+3x16 BL	1	2518540000
	red	WPD 105 1x35+1x16/2x25+3x16 RD	1	2725310000
	black	WPD 105 1x35+1x16/2x25+3x16 BK	1	2725410000
Note				

Version		Type	Qty.	Order No.
	grey	WPD 205 2x35/4x25+6x16 2xGY	1	1562180000
	blue	WPD 205 2x35/4x25+6x16 2xBL	1	2519470000
	red	WPD 205 2x35/4x25+6x16 2xRD	1	2725320000
	black	WPD 205 2x35/4x25+6x16 2xBK	1	2725420000
Note				

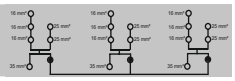
Accessories

Cross connection		Type	Qty.	Order No.
	2-pole	WQB WPD X05/2	20	1561960000
	3-pole	WQB WPD X05/3	20	1561970000
End bracket				
	dark beige	WEW 35/2	100	1061200000
	dark beige	AEB 35 SC/1	50	1991920000
Screwdriver				
	SET	SDK PZ2 X 100	1	2749450000
		SK WSD-S 1,5-10,0	1	9008850000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000

WPD 305 — 35 mm²



106.8 / 53.7 / 70	
125 / 35	
2.5...35	







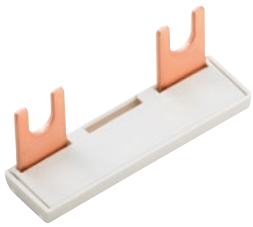
IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

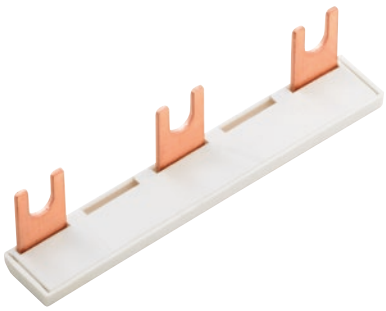
IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	115	85	125
35	AWG 12...2	AWG 12...2	35
	8 kV / 3		
	III / V-0		

Rated connection
4...35 / 4...35
2.5...25 / 2.5...25
1.5...16 / 1.5...16
2.5...25
1.5...16
1.5...10
19 / M8
14 / M6
12 / M6
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 305 3x35/6x25+9x16 3xGY	1	1562190000
WPD 305 3x35/6x25+9x16 3xBL	1	2521770000
WPD 305 3x35/6x25+9x16 3xRD	1	2725330000
WPD 305 3x35/6x25+9x16 3xBK	1	2725430000

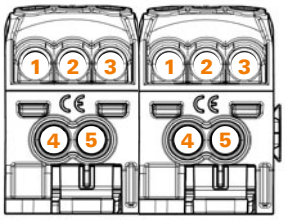
Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000



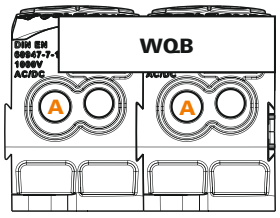


Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

Input	connection point A			
	Copper		Aluminium*	
				
35 mm²	3,5 Nm		11,3 Nm	
25 mm²		3,5 Nm		11,3 Nm
16 mm²				
10 mm²				
6 mm²				
4 mm²				
2.5 mm²				
Stripping lengths	19 mm			
Allen screw	M8			
* Values according to UL 1059				



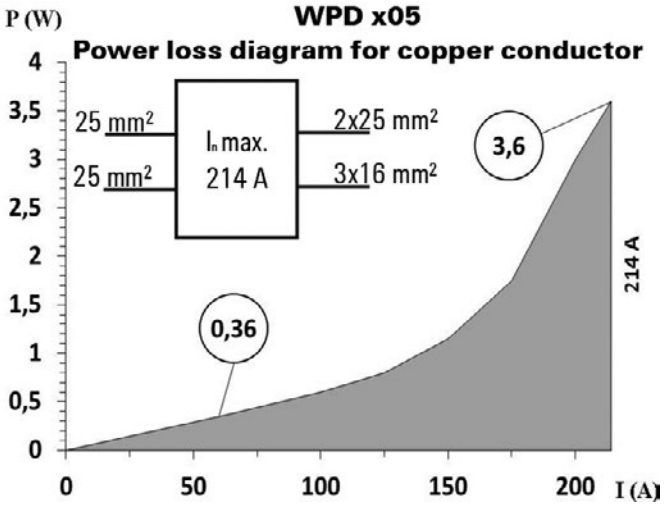
output



input

Output	connection point 1/2/3				connection point 4/5				connection point B			
	Copper		Aluminium*		Copper		Aluminium*		Copper		Aluminium*	
												
25 mm²					2,5 Nm		5,1 Nm					
16 mm²	2 Nm					2,5 Nm		5,1 Nm				
10 mm²		2 Nm	5,1 Nm						2,5 Nm		5,1 Nm	
6 mm²										2,5 Nm		
4 mm²												
2.5 mm²												
1.5 mm²												
Stripping lengths	12 mm				14 mm				19 mm			
Allen screw	M6				M6				M6			
* Values according to UL 1059												

 Stranded
 Solid
 Flexible with ferrule
 Sector shaped



UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693			
	connection point A			
Input (line)	Copper		Aluminium	
				
AWG 2	31 Lb In.		100 Lb In.	
AWG 4		31 Lb In.		100 Lb In.
AWG 6				
AWG 8				
AWG 10				
AWG 12				
max. current	115 A	85 A	90 A	65 A
Voltage size B,C (UR)	600 V			

output (load)	connection point 1/2/3				connection point 4/5				connection point B			
	Copper		Aluminium		Copper		Aluminium		Copper		Aluminium	
												
AWG 4					22.1 Lb In.		45.1 Lb In.					
AWG 6	22.1 Lb In.		45.1 Lb In.			22.1 Lb In.		45.1 Lb In.	22.1 Lb In.		45.1 Lb In.	
AWG 8		22.1 Lb In.								22.1 Lb In.		
AWG 10												
AWG 12												
AWG 14												
AWG 16												
max. current	65 A	50 A	50 A		85 A	65 A	65 A	50 A	65 A	50 A	50 A	
Voltage size B,C (UR)	600 V											

 Stranded

 Solid

 Flexible with ferrule

 Sector shaped

CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

Certificate No. (CSA)	269832			
	Input		Output	
	CP* A	CP* 1/2/3	CP* 4/5	CP*B
AWG 4	31 Lb In.		22.1 Lb In.	22.1 Lb In.
AWG 4		22.1 Lb In.		
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14				
AWG 16				
max. current	115 A	85 A	85 A	85 A
Voltage size C (CSA)	600 V			
* CP - connection point				

W-Series
WPD 106 1X70/2X25+3X16 GY

WPD 106 — 70 mm²



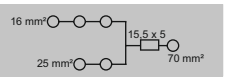






Width / Height / Depth	mm
max. current / max. conductor	A/mm²
max. clamping range	mm²

39.5 / 50.4 / 70	
192 / 70	
10...70	



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	70 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	70 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Flexible with ferrule	70 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Stripping length / Blade size	70 mm²	mm/–
	25 mm²	mm/–
	16 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
192	160	175	160
70	AWG 10...2/0	AWG 10...2/0	70
	8 kV / 3		
	III / V-0		

Rated connection
10...70 / 10...70
2.5...25 / 2.5...25
1.5...16 / 1.5...16
6...50
1.5...16
1.5...10
19 / M8
14 / M6
12 / M6
see appendix at the end of the chapter

Ordering data

Version
grey
blue
red
black
Note

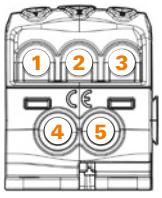
Type	Qty.	Order No.
WPD 106 1x70/2x25+3x16 GY	1	1562210000
WPD 106 1x70/2x25+3x16 BL	1	2518570000
WPD 106 1x70/2x25+3x16 RD	1	2725340000
WPD 106 1x70/2x25+3x16 BK	1	2725440000

Accessories

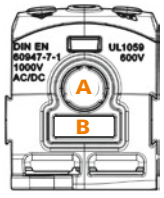
Cross connection
2-pole
End bracket
dark beige
dark beige
Screwdriver
SET

Type	Qty.	Order No.
WQB WPD X06/2	20	1561940000
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000





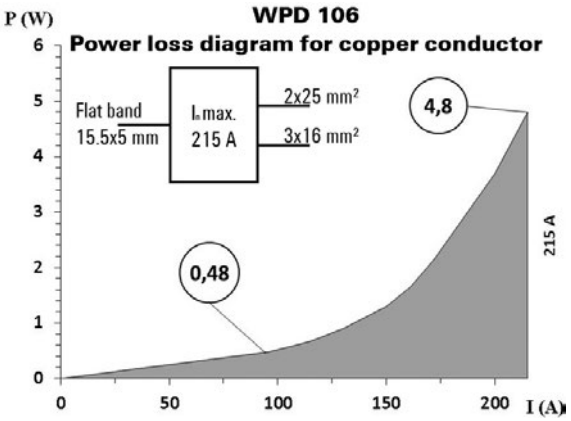
output



input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

Input	connection point A Copper		Aluminium*		CP** B Copper
					
70 mm²	10 Nm		13,6 Nm		
50 mm²		10 Nm		13,6 Nm	
35 mm²					
25 mm²					
16 mm²					
10 mm²					
6 mm²					
Flat band 15,5x5 mm					2 Nm
Stripping lengths	19 mm				17 mm
Allen screw	M8				M5
* Values according to UL 1059 ** CP - connection point					



Output	connection point 1/2/3 Copper		Aluminium*		connection point 4/5 Copper		Aluminium*	
								
25 mm²					2,5 Nm			
16 mm²	2 Nm					2,5 Nm	5,1 Nm	
10 mm²		2 Nm	5,1 Nm					5,1 Nm
6 mm²								
4 mm²								
2.5 mm²								
1.5 mm²								
Stripping lengths	12 mm				14 mm			
Allen screw	M6				M6			
* Values according to UL 1059								

 Mehrdrähtig

 Eindrähtig

 Feindrähtig mit Aderendhülse

 Sektorförmig

 Flachband

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				
Input (line)	connection point A Copper		Aluminium		CP** B Copper
					
AWG 2/0	88.5 Lb In.		120.4 Lb In.		
AWG 1/0		88.5 Lb In.		100 Lb In.	
AWG 2					
AWG 4					
AWG 6					
AWG 8					
AWG10					
Flat band 15.5x3.2 mm					17.4 Lb In.
max. current	160 A	150 A	135 A	120 A	160 A
Voltage size B,C (UR)	600 V				
** CP - connection point					

CSA rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	269832		
	Input	Output	
	CP* A	CP* 1/2/3	CP* 4/5
AWG 2/0	10 Nm.		
AWG 1/0			
AWG 2			
AWG 4			2 Nm
AWG 6		2 Nm	
AWG 8			
AWG10			
AWG 12			
AWG 14			
AWG 16			
max. current	175 A	50 A	65 A
Voltage size C (CSA)	600 V		
* CP - connection point			

output (load)	connection point 1/2/3 Copper		Aluminium		connection point 4/5 Copper		Aluminium	
								
AWG 4							45.1 Lb In.	
AWG 6	22.6 Lb In.		45.1 Lb In.		22.6 Lb In.			45.1 Lb In.
AWG 8		22.6 Lb In.				22.6 Lb In.		
AWG 10								
AWG 12								
AWG 14								
AWG 16								
max. current	65 A	50 A	50 A		85 A	65 A	65 A	50 A
Voltage size B,C (UR)	600 V							

 Stranded

 Solid

 Flexible with ferrule

 Sector shaped

 Flat band

W-Series
WPD 107 1X95/2X35+8X25 GY

RoHS COMPLIANT

WPD 107 | **95 mm²**

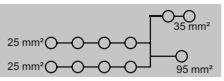








Width / Height / Depth	**51 / 54.5 / 73**	**mm**
max. current / max. conductor	**232 / 95**	**A/mm²**
max. clamping range	**16...95**	**mm²**



Technical data

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

Rated data			IEC	UL	CSA	EN 60079-7
Rated voltage		V	1000	600	600	440
Rated current		A	232	200	200	232
for wire cross-section	95 mm²	mm²	95	AWG 8...3/0	AWG 8...3/0	95
Rated impulse withstand voltage / Pollution severity				8 kV / 3		
Overvoltage category / UL 94 flammability rating				III / V-0		
Approvals						

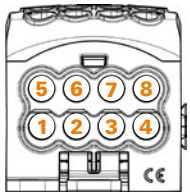
Clamped conductors (H05V/H07V)			Rated connection
Solid / Stranded	95 mm²	mm²	16...95 / 16...95
	35 mm²	mm²	4...35 / 4...35
	25 mm²	mm²	2.5...25 / 2.5...25
Flexible with ferrule	95 mm²	mm²	10...70
	35 mm²	mm²	2.5...25
	25 mm²	mm²	1.5...16
Stripping length / Blade size	95 mm²	mm/–	14 / M12
	35 mm²	mm/–	12 / M8
	25 mm²	mm²	12 / M6
Tightening torque		Nm	see appendix at the end of the chapter
Note			

Ordering data

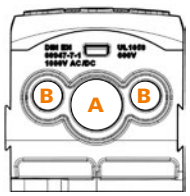
Version		Type	Qty.	Order No.
	grey	WPD 107 1x95/2x35+8x25 GY	1	**1562220000**
	blue	WPD 107 1x95/2x35+8x25 BL	1	**2521730000**
	red	WPD 107 1x95/2x35+8x25 RD	1	**2725350000**
	black	WPD 107 1x95/2x35+8x25 BK	1	**2725450000**
Note				

Accessories

End bracket		Type	Qty.	Order No.
	dark beige	WEW 35/2	100	**1061200000**
	dark beige	AEB 35 SC/1	50	**1991920000**
Screwdriver				
		SDK PZ2 X 100	1	**2749450000**
	SET	SK WSD-S 1,5-10,0	1	**9008850000**



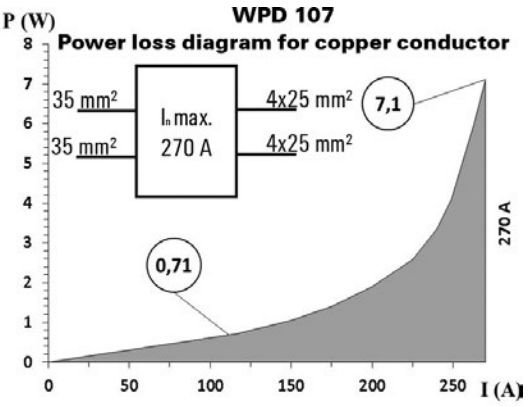
output



input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+A

Input	connection point A			
	Copper		Aluminium*	
95 mm²	14 Nm		22,6 Nm	
70 mm²		14 Nm		22,6 Nm
50 mm²				
35 mm²				
25 mm²				
16 mm²				
10 mm²				
Stripping lengths	14 mm			
Allen screw	M12			
* Values according to UL 1059				



Output	connection point 1 - 8				connection point B			
	Copper		Aluminium*		Copper		Aluminium*	
35 mm²	2,5 Nm		5,1 Nm		3,5 Nm		11,3 Nm	
25 mm²		2,5 Nm		5,1 Nm		3,5 Nm		11,3 Nm
16 mm²								
10 mm²								
6 mm²								
4 mm²								
2.5 mm²								
1.5 mm²								
Stripping lengths	12 mm				12 mm			
Allen screw	M6				M8			
* Values according to UL 1059								

Stranded Solid Flexible with ferrule Sector shaped

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693			
Input (line)	connection point A			
	Copper		Aluminium	
AWG 3/0	124 Lb In.		200 Lb In.	
AWG 2/0		124 Lb In.		200 Lb In.
AWG 1/0				
AWG 2				
AWG 4				
AWG 6				
AWG 8				
max. current	200 A	175 A	155 A	130 A
Voltage size B,C (UR)	600 V			

CSA rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	269832		
	Input	Output	
	CP* A	CP* 1 - 8	CP* B
AWG 3/0	14 Nm.		
AWG 2/0			
AWG 1/0			
AWG 2			6 Nm
AWG 4		2,5 Nm	
AWG 6			
AWG 8			
AWG 10			
AWG 12			
AWG 14			
max. current	200 A	85 A	115 A
Voltage size C (CSA)	600 V		
* CP - connection point			

output (load)	connection point 1 - 8				connection point B			
	Copper		Aluminium		Copper		Aluminium	
AWG 2	22.1 Lb In.		45.1 Lb In.		31 Lb In.		100 Lb In.	
AWG 4		22.1 Lb In.		45.1 Lb In.		31 Lb In.		100 Lb In.
AWG 6								
AWG 8								
AWG 10								
AWG 12								
AWG 14								
AWG 16								
max. current	85 A	65 A	65 A	50 A	115 A	85 A	90 A	65 A
Voltage size B,C (UR)	600 V							

Stranded Solid Flexible with ferrule

W-Series
WPD 108 1X120/2X35+3X25+4X16 GY

WPD 108 | **120 mm²**





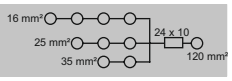






Width / Height / Depth	**mm**
max. current / max. conductor	**A/mm²**
max. clamping range	**mm²**

51.1 / 77 / 95	
269 / 120	
25...120	



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	120 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	120 mm²	mm²
	35 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Flexible with ferrule	120 mm²	mm²
	35 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Stripping length / Blade size	120 mm²	mm/–
	35 mm²	mm/–
	25 mm²	mm²
	16 mm²	mm²
Tightening torque		Nm
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	880
269	250	255	250
120	AWG 4...kcmil 250	AWG 4...kcmil 250	120
		8 kV / 3	
		III / V-0	

Rated connection
35...120 / 35...120
4...35 / 4...35
2.5...25 / 2.5...25
1.5...16 / 1.5...16
25...95
2.5...25
1.5...16
1.5...10
27 / M14
18 / M8
12 / M6
12 / M6
see appendix at the end of the chapter

Ordering data

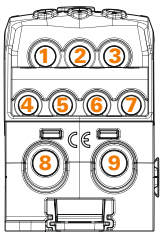
Version
grey
blue
red
black
Note

Type	**Qty.**	**Order No.**
WPD 108 1x120/2x35+3x25+4x16 GY	1	**1562100000**
WPD 108 1x120/2x35+3x25+4x16 BL	1	**2519480000**
WPD 108 1x120/2x35+3x25+4x16 RD	1	**2725280000**
WPD 108 1x120/2x35+3x25+4x16 BK	1	**2725380000**

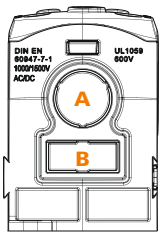
Accessories

Cross connection
2-pole
End bracket
dark beige
dark beige
Screwdriver
SET

Type	**Qty.**	**Order No.**
WQB WPD X08-09/2	20	**1561900000**
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**
SK WSD-S 1,5-10,0	1	**9008850000**



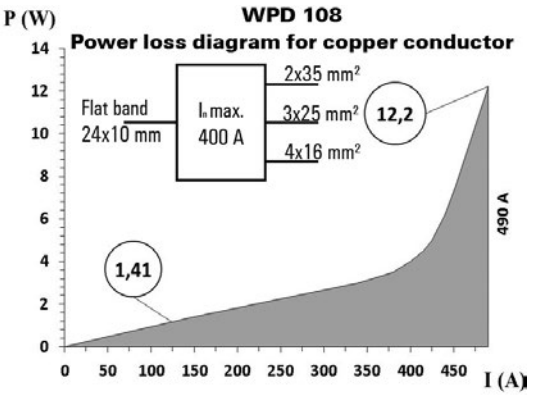
output



input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

Input	connection point A Copper		Aluminium*		CP** B Copper
120 mm²	19 Nm		22,6 Nm		
95 mm²		19 Nm		22,6 Nm	
70 mm²					
50 mm²					
35 mm²					
25 mm²					
Flat band 24x10mm					3 Nm
Stripping lengths	27 mm				22 mm
Allen screw	M14				M6
* Values according to UL 1059 ** CP - connection point					



Output	connection point 1 / 2 / 3 Copper		Aluminium*		connection point 4 / 5 / 6 / 7 Copper		Aluminium*		connection point 8 / 9 Copper		Aluminium*	
35 mm²	2 Nm		5,1 Nm		2 Nm		5,1 Nm		2,5 Nm		11,3 Nm	
25 mm²		2 Nm		5,1 Nm		2 Nm				2,5 Nm		11,3 Nm
16 mm²												
10 mm²												
6 mm²												
4 mm²												
2.5 mm²												
1.5 mm²												
Stripping lengths	12 mm				12 mm				18 mm			
Allen screw	M6				M6				M8			
* Values according to UL 1059												

Stranded Solid Flexible with ferrule Sector shaped Flat band

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				
Input (line)	connection point A Copper		Aluminium		CP* B Copper
kcmil 250	168.2 Lb In.		200 Lb In.		
AWG 4/0					
AWG 3/0		168.2 Lb In.		200 Lb In.	
AWG 2/0					
AWG 1/0					
AWG 2					
AWG 4					
Flat band 24x10 mm					17.7 Lb In.
max. current	250 A	200 A	155 A	205 A	250 A
Voltage size B,C (UR)	600 V				
* CP - connection point					

CSA rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	269832			
	Input	Output		
	CP* A	CP* 1/2/3	CP* 4/5/6/7	CP* B
kcmil 250	19 Nm.			
⋮	⋮			
AWG 2	19 Nm			
AWG 2		3 Nm	3 Nm	6 Nm
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14				
AWG 16				
max. current	255 A	85 A	65 A	115 A
Voltage size C (CSA)	600 V			
* CP - connection point				

Output	connection point 1 / 2 / 3 Copper		Aluminium		connection point 4 / 5 / 6 / 7 Copper		Aluminium		connection point 8 / 9 Copper		Aluminium	
AWG 2	22.6 Lb In.		45.1 Lb In.		22.6 Lb In.		45.1 Lb In.		53.1 Lb In.		100 Lb In.	
AWG 4		22.6 Lb In.		45.1 Lb In.		22.6 Lb In.				53.1 Lb In.		100 Lb In.
AWG 6												
AWG 8												
AWG 10												
AWG 12												
AWG 14												
AWG 16												
max. current	85 A	65 A	65 A	50 A	65 A	50 A	50 A		115 A	85 A	90 A	65 A
Voltage size B,C (UR)	600 V											

Stranded Solid Flexible with ferrule Sector shaped Flat band

W-Series
WPD 109 1X185/2X35+3X25+4X16 GY

WPD 109 **185 mm²**



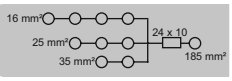






Width / Height / Depth	**mm**
max. current / max. conductor	**A/mm²**
max. clamping range	**mm²**

55.1 / 77 / 95	
353 / 185	
50...185	



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	185 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	185 mm²	mm²
	35 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Flexible with ferrule	185 mm²	mm²
	35 mm²	mm²
	25 mm²	mm²
	16 mm²	mm²
Stripping length / Blade size	185 mm²	mm/–
	35 mm²	mm/–
	25 mm²	mm²
	16 mm²	mm²
Tightening torque		Nm
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	880
353	310	310	353
185	AWG 2/0...kcmil 350	AWG 2/0...kcmil 350	185
	8 kV / 3		
	III / V-0		

Bemessungsanschluss
70...185 / 70...185
4...35 / 4...35
2.5...25 / 2.5...25
1.5...16 / 1.5...16
50...150
2.5...25
1.5...16
1.5...10
27 / M14
18 / M8
12 / M6
12 / M6
siehe Anhang am Kapitelende

Ordering data

Version		
	grey	
	blue	
	red	
	black	
Note		

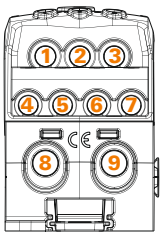
Type	**Qty.**	**Order No.**
WPD 109 1x185/2x35+3x25+4x16 GY	1	**1562090000**
WPD 109 1x185/2x35+3x25+4x16 BL	1	**2519490000**
WPD 109 1x185/2x35+3x25+4x16 RD	1	**2725270000**
WPD 109 1x185/2x35+3x25+4x16 BK	1	**2725370000**



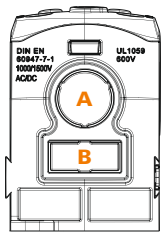
Accessories

Cross connection		
	2-pole	
End bracket		
	dark beige	
	dark beige	
Screwdriver		
	SET	

Type	**Qty.**	**Order No.**
WQB WPD X08-09/2	20	**1561900000**
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**
SK WSD-S 1,5-10,0	1	**9008850000**



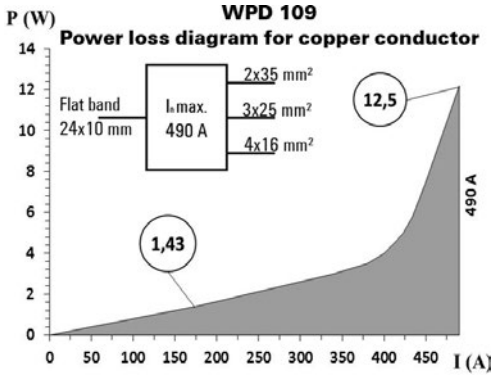
output



input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

Input	connection point A Copper		Aluminium*		CP** B Copper
120 mm²	19 Nm		22,6 Nm		
95 mm²		19 Nm		22,6 Nm	
70 mm²					
50 mm²					
35 mm²					
25 mm²					
Flat band 24x10mm					3 Nm
Stripping lengths	27 mm				22 mm
Allen screw	M14				M6
* Values according to UL 1059 ** CP - connection point					



Output	connection point 1 / 2 / 3 Copper		Aluminium*		connection point 4 / 5 / 6 / 7 Copper		Aluminium*		connection point 8 / 9 Copper		Aluminium*	
35 mm²	2 Nm		5,1 Nm		2 Nm		5,1 Nm		2,5 Nm		11,3 Nm	
25 mm²		2 Nm		5,1 Nm		2 Nm				2,5 Nm		11,3 Nm
16 mm²												
10 mm²												
6 mm²												
4 mm²												
2.5 mm²												
1.5 mm²												
Stripping lengths	12 mm				12 mm				18 mm			
Allen screw	M6				M6				M8			
* Values according to UL 1059												

Stranded Solid Flexible with ferrule Sector shaped Flat band

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				
Input (line)	connection point A Copper		Aluminium		CP* B Copper
kcmil 250	168.2 Lb In.		200 Lb In.		
AWG 4/0		168.2 Lb In.		200 Lb In.	
AWG 3/0					
AWG 2/0					
AWG 1/0					
AWG 2					
AWG 4					
Flat band 24x10 mm					17.7 Lb In.
max. current	250 A	200 A	155 A	205 A	250 A
Voltage size B,C (UR)	600 V				
* CP - connection point					

CSA rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	269832			
	Input	Output		
	CP* A	CP* 1/2/3	CP* 4/5/6/7	CP* B
kcmil 250	19 Nm.			
AWG 2	19 Nm			
AWG 2		3 Nm	3 Nm	6 Nm
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14				
AWG 16				
max. current	255 A	85 A	65 A	115 A
Voltage size C (CSA)	600 V			
* CP - connection point				

Output	connection point 1 / 2 / 3 Copper		Aluminium		connection point 4 / 5 / 6 / 7 Copper		Aluminium		connection point 8 / 9 Copper		Aluminium	
AWG 2	22.6 Lb In.		45.1 Lb In.		22.6 Lb In.		45.1 Lb In.		53.1 Lb In.		100 Lb In.	
AWG 4		22.6 Lb In.		45.1 Lb In.		22.6 Lb In.				53.1 Lb In.		100 Lb In.
AWG 6												
AWG 8												
AWG 10												
AWG 12												
AWG 14												
AWG 16												
max. current	85 A	65 A	65 A	50 A	65 A	50 A	50 A		115 A	85 A	90 A	65 A
Voltage size B,C (UR)	600 V											

Stranded Solid Flexible with ferrule Sector shaped Flat band

W-Series
WPD 111 1X95/4X35 GY

WPD 111 — 95 mm²



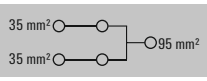






Width / Height / Depth	mm
max. current / max. conductor	A/mm²
max. clamping range	mm²

36.6 / 69.4 / 105	
232 / 95	
2.5...95	



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	95 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	95 mm²	mm²
	35 mm²	mm²
Flexible with ferrule	95 mm²	mm²
	35 mm²	mm²
Stripping length / Blade size	95 mm²	mm/–
	35 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	1000		
232	230		
95	AWG 4/0		
	8 kV / 3		
	III / V-0		

Bemessungsanschluss
16...95 / 16...95
4...35 / 4...35
10...70
2.5...25
21 / M12
16 / M8
see appendix at the end of the chapter

Ordering data

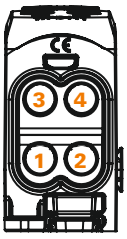
Version
grey
blue
red
black
Note

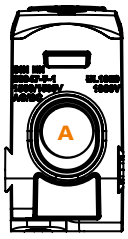
Type	Qty.	Order No.
WPD 111 1X95/4X35 GY	1	2603790000
WPD 111 1X95/4X35 BL	1	2603800000
WPD 111 1X95/4X35 RD	1	2730310000
WPD 111 1X95/4X35 BK	1	2730320000

Accessories

End bracket	
dark beige	
dark beige	
Screwdriver	
	SET

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000





Conductor connection data according to IEC 60947-7-1

Input	connection point A Copper	
1x 95 mm²		
95 mm²	14 Nm	
70 mm²		14 Nm
50 mm²		
35 mm²		
25 mm²		
16 mm²		
10 mm²		
Stripping lengths	21 mm	
Allen screw	M12	

Output	connection point A Copper	
1x 35 mm²		
35 mm²	6 Nm	
25 mm²		6 Nm
16 mm²		
10 mm²		
6 mm²		
4 mm²		
2,5 mm²		
Stripping lengths	16 mm	
Allen screw	M8	

 Stranded

 Solid

 Flexible with ferrule

 Sector shaped

 Flat band

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693			
Input (line)	connection point A Copper		Aluminium	
				
AWG 4/0	200 Lb In.		200 Lb In.	
AWG 3/0		200 Lb In.		200 Lb In.
AWG 2/0				
AWG 1/0				
AWG 1				
AWG 2				
AWG 3				
AWG 4				
AWG 6				
AWG 8				
max. current	230 A	200 A	180 A	155 A
Voltage size B,C (UR)	1000 V			

Output	connection point 1 / 2 / 3 / 4 Copper		Aluminium	
				
AWG 2	124.8 Lb In.		124.8 Lb In.	
AWG 3		124.8 Lb In.		124.8 Lb In.
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14				
max. current	115 A	100 A	90 A	75 A
Voltage size B,C (UR)	1000 V			

W-Series
WPD 113 1X185+1X150/8X35 GY

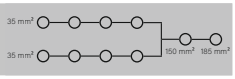
WPD 113 | 185 mm²





Width / Height / Depth	mm
max. current / max. conductor	A/mm²
max. clamping range	mm²

62.6 / 80.3 / 126.3	
353 / 185	
2.5...185	





Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	185 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	150 mm²	mm²
	35 mm²	mm²
Flexible with ferrule	150 mm²	mm²
	35 mm²	mm²
Stripping length / Blade size	185 mm²	mm/–
	150 mm²	mm/–
	35 mm²	mm/–
Tightening torque		Nm
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
353	310	310	
185	350 kcmil	350 kcmil	
	8 kV / 3		
	III / V-0		

Rated connection
70...150 / 70...150
4...35 / 4...35
50...120 / 50...120
2.5...25
33 / M16
28 / M16
16 / M8
siehe Anhang am Kapitelende



Ordering data

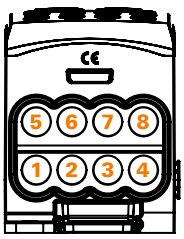
Version	
	grey
	blue
	red
	black
Note	

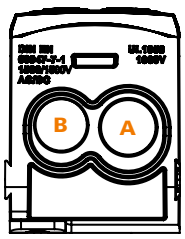
Type	Qty.	Order No.
WPD 1X185+1X150/8X35 GY	1	2603740000
WPD 1X185+1X150/8X35 BL	1	2603750000
WPD 1X185+1X150/8X35 RD	1	2730350000
WPD 1X185+1X150/8X35 BK	1	2730360000

Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	
	SET

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000





Conductor connection data according to IEC 60947-7-1

Input	connection point A Copper		connection point B Copper	
				
185 mm²	25 Nm			
150 mm²		25 Nm	25 Nm	
120 mm²				25 Nm
95 mm²				
70 mm²				
50 mm²				
Stripping lengths	33 mm		28 mm	
Allen screw	M16		M16	

Output	connection point 1– 8 Copper	
		
35 mm²	6 Nm	
25 mm²		6 Nm
16 mm²		
10 mm²		
6 mm²		
4 mm²		
2,5 mm²		
Stripping lengths	16 mm	
Allen screw	M8	

 Mehrdrähtig

 Eindrähtig

 Feindrähtig mit Aderendhülse

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693							
Input (line)	connection point A Copper		connection point A Aluminium		connection point B Copper		connection point B Aluminium	
								
350 kcmil	249.6 Lb In.		398.3 Lb In.		249.6 Lb In.		398.3 Lb In.	
300 kcmil		249.6 Lb In.		398.3 Lb In.		249.6 Lb In.		398.3 Lb In.
250 kcmil								
AWG 4/0								
AWG 3/0								
AWG 2/0								
AWG 1/0								
max. current	310 A	285 A	250 A	230 A	285 A	255 A	230 A	205 A
Voltage size B,C (UR)	1000 V				1000 V			

Output	connection point 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 Copper		Aluminium	
				
AWG 2	124.8 Lb In.		124.8 Lb In.	
AWG 3		124.8 Lb In.		124.8 Lb In.
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14				
max. current	115 A	100 A	90 A	75 A
Voltage size B,C (UR)	1000 V			

 Stranded

 Solid

 Flexible with ferrule

Socket wides - overview WPD

	WPD 104	WPD 105	WPD 106	WPD 107	WPD 108	WPD109
Inputs						
Main connection point ["A"]	SW 3 (M6x10)	SW 4 (M8x12)	SW 5 (M10x1x12)	SW 6 (M12x16)	SW 6 (M14x1.5x18)	SW 6 (M14x1.5x18)
Second connetion point / cross connection ["B"]	Pozi 2 (M6x11)	Pozi 2 (M6x11)				
Connection input or output with 2 x 35mm²				SW 4 (M8x12)		
Ribbon cable connection 15.5 x 5 mm			SW 4 (M5x20)			
Ribbon cable connection 24 x 10 mm					SW 5 (M6x30)	SW 5 (M6x30)
Outputs						
2 x 16 mm²	SW 3 (M6x8)					
3 x 10 mm²	SW 2.5 (M5x8)					
2 x 25 mm²		SW 3 (M6x10)	SW 3 (M6x8)			
3 x 16 mm²		SW 3 (M6x8)	SW 3 (M6x8)			
8 x 25 mm²				SW 3 (M6x10)		
2 x 35 mm²					SW 4 (M8x10)	SW 4 (M8x10)
3 x 25 mm²					SW 3 (M6x8)	SW 3 (M6x8)
4 x 16 mm²					SW 3 (M6x8)	SW 3 (M6x8)

	WPD 111	WPD 113
Inputs		
Main connection point ["A"]	SW 6 (M12)	M16
Second connetion point / cross connection ["B"]		M16
Connection input or output with 2 x 35mm²		
Ribbon cable connection 15.5 x 5 mm		
Outputs		
35 mm³	SW 4 (M8)	M8
25 mm²	SW 4 (M8)	M8
16 mm²	SW 4 (M8)	M8
10 mm²	SW 4 (M8)	M8
6 mm²	SW 4 (M8)	M8
4 mm²	SW 4 (M8)	M8
2,5 mm²	SW 4 (M8)	M8

	WPD 130	WPD 230	WPD 330	WPD 131	WPD 231	WPD 132	WPD 232	WPD 133	WPD 233
Inputs									
1 x 50 mm²	SW 5 (M10x1.25)								
2 x 50 mm²		SW 5 (M10x1.25)							
3 x 50 mm²			SW 5 (M10x1.25)						
1 x 95 mm²				SW 6 (M14x1.5)					
2 x 95 mm²					SW 6 (M14x1.5)				
1 x 185 mm²						SW 10 (M18x2)			
2 x 185 mm²							SW 10 (M18x2)		
1 x 300 mm²								SW 12 (M24x2)	
2 x 300 mm²									SW 12 (M24x2)
Outputs									
1 x 50 mm²	SW 5 (M10x1.25)								
2 x 50 mm²		SW 5 (M10x1.25)							
3 x 50 mm²			SW 5 (M10x1.25)						
1 x 95 mm²				SW 6 (M14x1.5)					
2 x 95 mm²					SW 6 (M14x1.5)				
1 x 185 mm²						SW 10 (M18x2)			
2 x 185 mm²							SW 10 (M18x2)		
1 x 300 mm²								SW 12 (M24x2)	
2 x 300 mm²									SW 12 (M24x2)

	WPD 101	WPD 301	WPD 401	WPD 501	WPD 102	WPD 202	WPD 302	WPD 103
Inputs								
1 x 16 mm²	cross recess+/- G2 (M6)							
1 x 25 mm²	cross recess+/- G2 (M6)				cross recess+/- G2 (M6)			
2 x 25 mm²						cross recess+/- G2 (M6)		
3 x 16 mm²		cross recess+/- G2 (M6)						
3 x 25 mm²		cross recess+/- G2 (M6)					cross recess+/- G2 (M6)	
4 x 16 mm²			cross recess+/- G2 (M6)					
4 x 25 mm²			cross recess+/- G2 (M6)					
5 x 16 mm²				cross recess+/- G2 (M6)				
5 x 25 mm²				cross recess+/- G2 (M6)				
1 x 35 mm²					cross recess+/- G2 (M8)			
2 x 35 mm²						cross recess+/- G2 (M8)		
3 x 35 mm²							cross recess+/- G2 (M8)	
1 x 50 mm²								hexagonal recess SW4 (M8)
1 x 70 mm²								hexagonal recess SW4 (M10)
Outputs								
1 x 16 mm²	cross recess+/- G2 (M6)							
1 x 25 mm²	cross recess+/- G2 (M6)				cross recess+/- G2 (M6)			
2 x 25 mm²						cross recess+/- G2 (M6)		
3 x 16 mm²		cross recess+/- G2 (M6)						
3 x 25 mm²		cross recess+/- G2 (M6)					cross recess+/- G2 (M6)	
4 x 16 mm²			cross recess+/- G2 (M6)					
4 x 25 mm²			cross recess+/- G2 (M6)					
5 x 16 mm²				cross recess+/- G2 (M6)				
5 x 25 mm²				cross recess+/- G2 (M6)				
1 x 35 mm²					cross recess+/- G2 (M8)			
2 x 35 mm²						cross recess+/- G2 (M8)		
3 x 35 mm²							cross recess+/- G2 (M8)	
1 x 50 mm²								hexagonal recess SW4 (M8)
1 x 70 mm²								hexagonal recess SW4 (M10)

Conductor connection data WPD

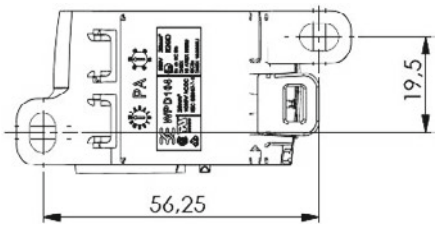
Type		Input side									
		Copper					Aluminium				
	input cross section	solid	stranded	Finely stranded with wire end ferrule	flat band	Tightening Torque	solid	stranded	flexible with ferrule	sector shape	Tightening Torque
WPD 130/230/330		35–50 mm²	3–50 mm²	35 mm²		10 Nm	35–50 mm²	35–50 mm²		35–50 mm²	14 Nm
		16–25 mm²	16–25 mm²	16–25 mm²		8 Nm	25 mm²	25 mm²			12 Nm
		6–10 mm²	6–10 mm²	4–10 mm²		6 Nm	16mm²	16 mm²		16 – 25 mm²	10 Nm
WPD 131/231		35–95 mm²	35–95 mm²	35–70 mm²		19 Nm	16–95 mm²	16–95 mm²		16–95 mm²	22.6 Nm
		10–25 mm²	10–25 mm²	10–25 mm²		14 Nm					
WPD 132/232					10 x 15.5 x 8 mm	30.9 Nm	95–185 mm²	95–185 mm²		95–185 mm²	30.9 Nm
		95–185 mm²	95–185 mm²	95–150 mm²		25 Nm					
				25–70 mm²		20 Nm					
WPD 133/233					10 x 20 x 1mm	65 Nm	150–300 mm²	150–300 mm²		150–300 mm²	65 Nm
		150–300 mm²	150–300 mm²	150–240 mm²		45 Nm					
				35–95 mm²		30 Nm					
WPD x01	2 x 25 mm²	2.5–25 mm²	2.5–25 mm²	1.5–16 mm²		3.5 Nm	16–25 mm²	16–25 mm²			4 Nm
	2 x 16 mm²	4–25 mm²	4–25 mm²	2.5–16 mm²		2.5 Nm	25 mm²	25 mm²			4 Nm
WPD x02	2 x 35 mm²	4–35 mm²	4–35 mm²	2.5–25 mm²		3.5 Nm	35 mm²	35 mm²			8 Nm
							25 mm²	25 mm²			6 Nm
							16 mm²	16 mm²			4 Nm
	2 x 25 mm²	4–35 mm²	4–35 mm²	2.5–25 mm²		3.5 Nm	25 mm²	25 mm²			6 Nm
							16 mm²	16 mm²			4 Nm
WPD x03	2 x 70 mm²	10–70 mm²	10–70 mm²	6–50 mm²		10 Nm	17mm²	17mm²			18 Nm
							50 mm²	50 mm²			10 Nm
							35 mm²	35 mm²			8 Nm
							25 mm²	25 mm²			6 Nm
							16 mm²	16 mm²			4 Nm
	2 x 50 mm²	10–50 mm²	10–70 mm²	6–70 mm²		6 Nm	50 mm2	50 mm2			10 Nm
							35 mm²	35 mm²			8 Nm
							25 mm²	25 mm²			6 Nm
							16 mm²	16 mm²			4 Nm
WPD x04	1 x 25 mm²	2.5–25 mm²	2.5–25 mm²	1.5–16 mm²		2.5 Nm	16–25 mm²	16–25 mm²	16mm²	16–25 mm²	5.1 Nm
	1 x 16 mm²	1.5–16 mm²	1.5–16 mm²	1.5–10 mm²		2.5 Nm	10 mm²	10 mm²		10 mm²	5.1 Nm
WPD x05	1x 35 mm²	4–35 mm²	4–35 mm²	2.5–25 mm²		3.5 Nm	25–35 mm²	25–35 mm²	25mm²	25–35 mm²	11.3 Nm
	1 x 16 mm²	1.5–16 mm²	1.5–16 mm²	1.5–10 mm²		2.5 Nm	10 mm²	10 mm²		10 mm²	5.1 Nm
WPD x06	1 x 70 mm²	10–70 mm²	10–70 mm²	6–50 mm²		10 Nm	10–70 mm²	10–70 mm²	10–50 mm²	10–70 mm²	13.6 Nm
	15.5 x 5 mm				15.5 x 5 mm	2 Nm					
WPD x07	1 x 95 mm²	16–95 mm²	16–95 mm²	10–70 mm²		14 Nm	16–95 mm²	16–95 mm²	16–70 mm²	16–95 mm²	22.6 Nm
	2 x 35 mm²	4–35 mm²	4–35 mm²	2.5–25 mm²		3.5 Nm	16–35 mm²	16–35 mm²	16–25 mm²	16–35 mm²	11.3 Nm
WPD x08	1 x 120 mm²	35–120 mm²	35–120 mm²	25–95 mm²		19Nm	35–120 mm²	35–120 mm²	35–95 mm²	35–120 mm²	22.6 Nm
	24 x 10 mm				24 x 10 mm	3 Nm					
WPD x09	1x 185 mm²	70–185 mm²	70–185 mm²	50–150 mm²		19 Nm	70–185 mm²	70–185 mm²	70–150 mm²	70–185 mm²	22.6 Nm
	24 x 10 mm				24 x 10 mm	3 Nm					
WPD 111	1 x 95 mm²	16-95 mm²	16-95 mm²	10-70 mm²		14 Nm					
WPD 113	1 x 185 mm²	95-185 mm²	95-185 mm²	70-150 mm²		25 Nm					
	1 x 150 mm²	70-150 mm²	70-150 mm²	50-120 mm²		25 Nm					

Output side											Auxiliary connection			
		Copper				Aluminium								
	output cross section	solid	stranded	Finely stranded with wire end ferrule	Tightening Torque	solid	stranded	Finely stranded with wire end ferrule	sector shape	Tightening Torque	solid	stranded	Finely stranded with wire end ferrule	Tightening Torque
		35-50 mm²	35-50 mm²	35 mm²	10 Nm	35-50 mm²	35-50 mm²		35-50 mm²	14 Nm				
		16 - 25 mm²	16 - 25 mm²	16 - 25 mm²	8 Nm	25 mm²	25 mm²			12 Nm				
		6 - 10 mm²	6 - 10 mm²	4 - 10 mm²	6 Nm	16mm²	16 mm²		16 - 25 mm²	10 Nm				
		35-95 mm²	35-95 mm²	35-70 mm²	19 Nm	16-95 mm²	16-95 mm²		16-95 mm²	22.6 Nm	1.5-10 mm²	1.5-10 mm²	1.5-6 mm²	1.2 Nm
		10-25 mm²	10-25 mm²	10-25 mm²	14 Nm									
		95-185 mm²	95-185 mm²	95-150 mm²	25 Nm	95-185 mm²	95-185 mm²		95-185 mm²	30.9 Nm	1.5-10 mm²	1.5-10 mm²	1.5-6 mm²	1.2 Nm
				25-70 mm²	20 Nm									
		150-300 mm²	150-300 mm²	150-240 mm²	45 Nm	150-300 mm²	150-300 mm²		150-300 mm²	65 Nm	1.5-10 mm²	1.5-10 mm²	1.5-6 mm²	1.2 Nm
				35-95 mm²	30 Nm									
	2 x 25 mm²	2.5-25 mm²	2.5-25 mm²	1.5-16 mm²	3.5 Nm	16-25 mm²	16-25 mm²			4 Nm				
	2 x 16 mm²	4-25 mm²	4-25 mm²	2.5-16 mm²	2.5 Nm	2.5 Nm	25 mm²			4 Nm				
	2 x 35 mm²	4-35 mm²	4-35 mm²	2.5-25 mm²	3.5 Nm	35 mm²	35 mm²			8 Nm				
						25 mm²	25 mm²			6 Nm				
						16 mm²	16 mm²			4 Nm				
	2 x 25 mm²	4-35 mm²	4-35 mm²	2.5-25 mm²	3.5 Nm	25 mm²	25 mm²			6 Nm				
						16 mm²	16 mm²			4 Nm				
	2 x 70 mm²	10-70 mm²	10-70 mm²	6-50 mm²	10 Nm	17mm²	17mm²			18 Nm				
						50 mm²	50 mm²			10 Nm				
						35 mm²	35 mm²			8 Nm				
						25 mm²	25 mm²			6 Nm				
						16 mm²	16 mm²			4 Nm				
	2 x 50 mm²	10-50 mm²	10-70 mm²	6-70 mm²	6 Nm	50 mm2	50 mm2			10 Nm				
						35 mm²	35 mm²			8 Nm				
						25 mm²	25 mm²			6 Nm				
						16 mm²	16 mm²			4 Nm				
	2 x 16 mm²	1.5-16 mm²	1.5-16 mm²	1.5-10 mm²	2.5 Nm	10-16 mm²	10-16 mm²	10 mm²	10-16 mm²	5.1 Nm				
	3 x 10 mm²	1.5-10 mm²	1.5-10 mm²	1.5-16 mm²	2 Nm	10 mm²	10 mm²		10 mm²	5.1 Nm				
	2 x 25 mm²	2.5-25 mm²	2.5-25 mm²	1.5-16 mm²	2.5 Nm	10-16 mm²	10-16 mm²	10 mm²	10-16 mm²	5.1 Nm				
	3 x 16 mm²	1.5-16 mm²	1.5-16 mm²	1.5-10 mm²	2 Nm	10 mm²	10 mm²		10 mm²	5.1 Nm				
	2 x 25 mm²	2.5-25 mm²	2.5-25 mm²	1.5-16 mm²	2.5 Nm	10-16 mm²	10-16 mm²	10 mm²	10-16 mm²	5.1 Nm				
	3 x 16 mm²	1.5-16 mm²	1.5-16 mm²	1.5-10 mm²	2 Nm	10 mm²	10 mm²		10 mm²	5.1 Nm				
	8 x 25 mm²	2.5-25 mm²	2.5-25 mm²	1.5-16 mm²	2.5 Nm	16-25 mm²	16-25 mm²	16 mm²	16-25 mm²	5.1 Nm				
	2 x 35 mm²	4-35 mm²	4-35 mm²	2.5-25 mm²	2.5 Nm	16-35 mm²	16-35 mm²	16-25 mm²	16-35 mm²	11.3 Nm				
	4 x 16 mm²	1.5-16 mm²	1.5-16 mm²	1.5-10 mm²	2 Nm	1.5-16 mm²	1.5-16 mm²	1.5-10 mm²	1.5-16 mm²	5.1 Nm				
	3 x 25 mm²	2.5-25 mm²	2.5-25 mm²	1.5-16 mm²	2 Nm	2.5-25 mm²	2.5-25 mm²	1.5-16 mm²	2.5-25 mm²	5.1 Nm				
	2 x 35 mm²	4-35 mm²	4-35 mm²	2.5-25 mm²	2.5 Nm	16-35 mm²	16-35 mm²	16-25 mm²	16-35 mm²	11.3 Nm				
	4 x 16 mm²	1.5-16 mm²	1.5-16 mm²	1.5-10 mm²	2 Nm	16 mm²	16 mm²		16 mm²	5.1 Nm				
	3 x 25 mm²	2.5-25 mm²	2.5-25 mm²	1.5-16 mm²	2 Nm	16-25 mm²	16-25 mm²	16 mm²	16-25 mm²	5.1 Nm				
	4 x 35 mm²	4-35 mm²	4-35 mm²	2,5-25 mm²	6 Nm					4 Nm				
	8 x 35 mm²	4-35 mm²	4-35 mm²	2,5-25 mm²	6 Nm									

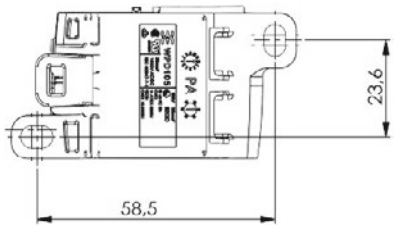
Power distribution / Power feed-in
Screw connection

Mounting

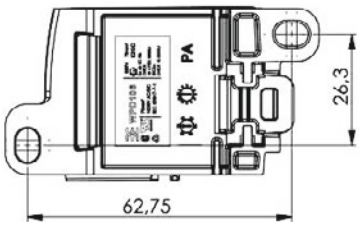
WPD 104



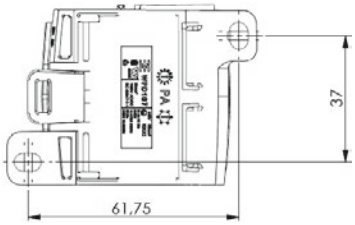
WPD 105



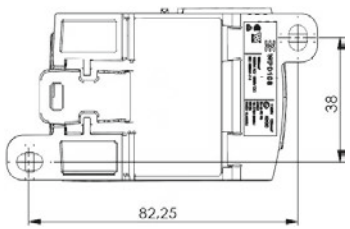
WPD 106



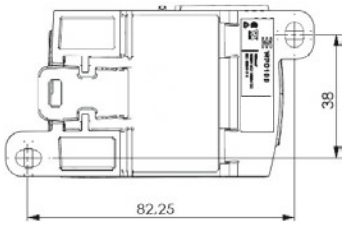
WPD 107



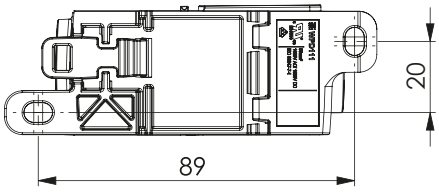
WPD 108



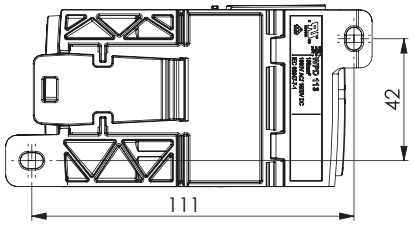
WPD 109



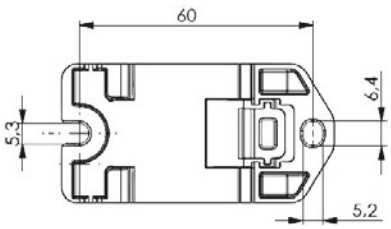
WPD 111



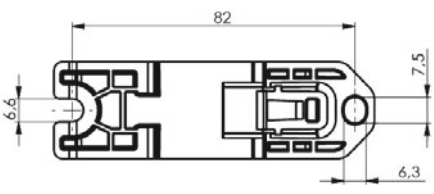
WPD 113



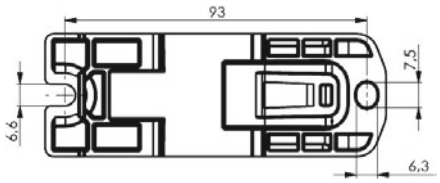
WPD 230



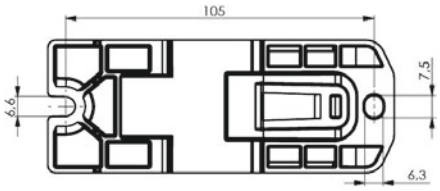
WPD 131



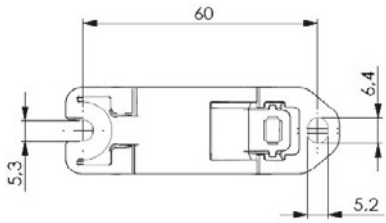
WPD 132



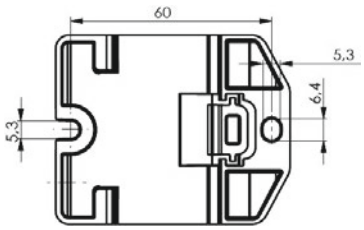
WPD 133



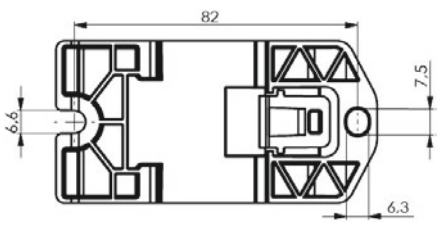
WPD 130



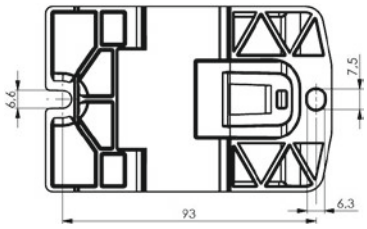
WPD 330



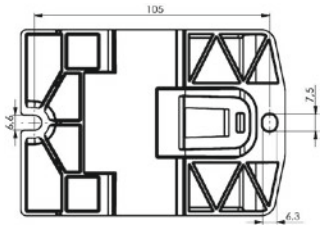
WPD 231

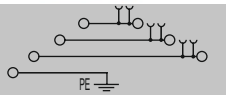
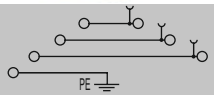


WPD 232



WPD 233



	AMC 2.5	2.5 mm²	AMC 2.5 800 V	2.5 mm²
				
Width/Height/Depth mm	5.1 x 107.5 x 88		6.1 x 107.5 x 88	
max. current / max. cond. cross-section A/mm²	22 / 2.5		22 / 2.5	
Max. clamping range mm²	0.14...2.5		0.14...2.5	
	DIN EN 60947-7-1, DIN EN 60947-7-2	Ex eb II C Gb II 2 G D	DIN EN 60947-7-1, DIN EN 60947-7-2	Ex eb II C Gb II 2 G D

Technical data

	IEC	UL	CSA	EN 60079-7
Rated data				
Rated voltage V	690	150	150	440
Rated current A	22	20	20	19
for wire cross-section mm²	2.5	AWG 28...12	AWG 28...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				TUEV16ATEX7909U
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

	IEC	UL	CSA	EN 60079-7
Rated data				
Rated voltage V	800	600	600	440
Rated current A	22	20	20	19
for wire cross-section mm²	2.5	AWG 28...12	AWG 28...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				TUEV16ATEX7909U
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
dark beige	AMC 2.5	50	2434340000
Note			

Type	Qty.	Order No.
AMC 2.5 800V	50	2434370000

Accessories

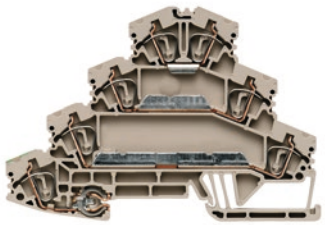
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
Vertical jumpers				
1-pole	ZVQ 2.5/1.5	24 A	50	1720700000
End plate				
dark beige	AEP MC 2.5		25	2433820000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000
	SNAPMARK I		50	1805880000

Type		Qty.	Order No.
ZVQ 2.5/1.5	24 A	50	1720700000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

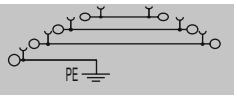
For detailed information on other accessories and application in the online catalogue

ZMAK 2.5 — 2.5 mm²

Motor-supply terminal



Width/Height/Depth	5.1 x 102 x 69.5 mm
max. current / max. cond. cross-section	**31 / 4** A/mm²
Max. clamping range	**0.13...4** mm²

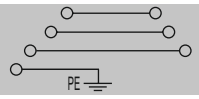


ZMAK 2.5 690 V — 2.5 mm²

Motor-supply terminal



Width/Height/Depth	6.1 x 102 x 69.5 mm
max. current / max. cond. cross-section	**31 / 4** A/mm²
Max. clamping range	**0.13...4** mm²



Technical data

Rated data	ZMAK 2.5	ZMAK 2.5 690 V
Rated voltage (V)	IEC 60947-7-1 (-7-2): 400	IEC 60947-7-1 (-7-2): 690
	UL: 300	UL: 300
	CSA: 300	CSA:
	EN 60079-7:	EN 60079-7:
Rated current (A)	24	24
	25	25
for wire cross-section (mm²)	2.5	2.5
	AWG 26...12	AWG 26...12
	AWG 26...12	
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Approvals	CE, EAC, KCS, UL	CE, EAC, UL
Clamped conductors (H05V/H07V)		
Solid / Stranded (mm²)	0.5...4	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZMAK 2.5	25	**1768000000**
Note			

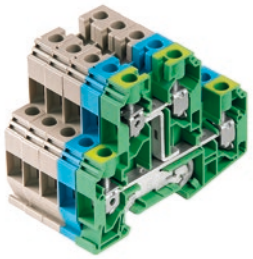
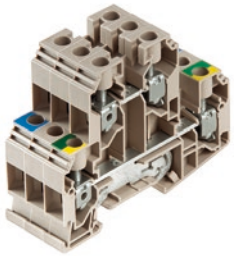
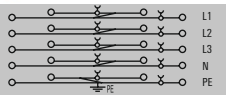
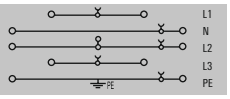
Type	Qty.	Order No.
ZMAK 2.5 690V	25	**1027550000**

The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm.

Accessories

	ZMAK 2.5 Type	Qty.	Order No.	ZMAK 2.5 690 V Type	Qty.	Order No.
End plate / Partition plate						
dark beige	ZAP ZMAK2.5	10	**1768010000**	ZAP ZMAK2.5	10	**1768010000**
End bracket						
dark beige	ZEW 35	20	**9540000000**	ZEW 35	20	**9540000000**
Screwdriver						
Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Reducing sleeves						
for conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1	1000	**1678810000**	ZRH 1.5H/1	1000	**1678810000**
for conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2	1000	**1678800000**	ZRH 1.5H/2	1000	**1678800000**
Test adapter						
Standard	ZTA 1 9 A	25	**1609040000**			
Marking tags						
	DEK 5/5 MC NE WS	1000	**1609801044**	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 12/5 MC NE WS	720	**1609860000**	WS 12/5 MC NE WS	720	**1609860000**
	DEK 5/5 MM WS	800	**2007110000**			
	WS 8/5 MM WS	800	**2007150000**			

For detailed information on other accessories and application in the online catalogue

	WDK 10 SET LS	10 mm²	WDK 10 SET BCD	10 mm²
				
Width/Height/Depth mm	49.5 x 85 x 69		29.7 x 85 x 69	
max. current / max. cond. cross-section A/mm²	**70 / 16**		**70 / 16**	
Max. clamping range mm²	**1.5...16**		**1.5...16**	

Technical data

Rated data					IEC 60947-7-1 (-7-2)				IEC 60947-7-1 (-7-2)			
					IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V					800	600	600		800	600	600	
Rated current A					57	64	64		57	64	64	
for wire cross-section mm²					10	AWG 18...6	AWG 18...6		10	AWG 18...6	AWG 18...6	
Rated impulse withstand voltage / Pollution severity						8 kV / 3				8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating						B6 / V-0				B6 / V-0		
Approvals					CE cULus EAC				CE cULus EAC			
Clamped conductors (H05V/H07V)					**Rated connection**	**Further connection**			**Rated connection**	**Further connection**		
Solid / Stranded mm²					1.5...16 / 1.5...16				1.5...16 / 1.5...16			
Flexible / Flexible with ferrule mm²					1.5...16 / 1.5...16				1.5...16 / 1.5...16			
Tightening torque (clamping screw for copper conductors)					/ (M 4)				/ (M 4)			
Stripping length / Blade size mm/-					12 / 1.0 x 5.5 mm				12 / 1.0 x 5.5 mm			
2 conductors with same cross-section (H05V/H07V)												
Solid / Stranded -												
Flexible / Flexible with ferrule -												
Note												

Ordering data

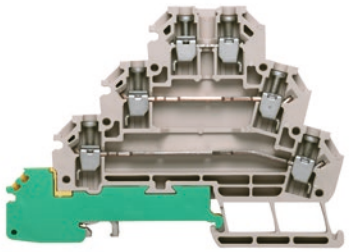
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige						
with PE foot						
dark beige / green / yellow	WDK 10 SET LS	1	**1415530000**	WDK 10 SET BCD	1	**1415540000**
Note						

Accessories

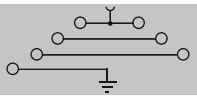
Screwable cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole	WQV 10/2	76 A	50	**1052560000**	WQV 10/2	76 A	50	**1052560000**
10-pole	WQV 10/10	63 A	20	**1052460000**	WQV 10/10	63 A	20	**1052460000**
End plate / Partition plate								
dark beige	WAP WDK10		20	**1186720000**	WAP WDK10		20	**1186720000**
Blue	WAP WDK10 BL		20	**1186730000**	WAP WDK10 BL		20	**1186730000**
End bracket								
dark beige	WEW 35/2		50	**1061200000**	WEW 35/2		50	**1061200000**
Screwdriver								
Standard	SDS 1.0X5.5X150		1	**2749380000**	SDS 1.0X5.5X150		1	**2749380000**
Cover								
Blank, white	WAD 8 MC NE WS		48	**1112940000**	WAD 8 MC NE WS		48	**1112940000**
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**	WAD 8 MC NE GE		48	**1112950000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
Cross-connector								
black								
blue								
red								

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

MAK 2.5 — 2.5 mm²



6.2 x 88 x 63
31 / 4
0.13...4



IEC 60947-7-1 (-7-2)

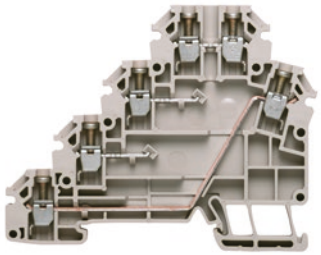
IEC	UL	CSA	EN 60079-7
500	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1 / 0.5...1	
0.5...1 / 0.5...0.75	

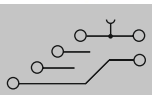
Type	Qty.	Order No.
MAK 2.5 DB	50	**7917030000**

Type	Qty.	Order No.
AP MAK2.5 DB	20	**7917000000**
WEW 35/1	50	**1059000000**
SDIS 0.6X3.5X100	1	**2749810000**
DEK 5/5 MC NE WS	1000	**1609801044**
VQB 1.5/50 SW	5	**1635120000**
VQB 1.5/50 BL	5	**1633280000**
VQB 1.5/50 RT	5	**1633290000**

VLI 1.5 — 1.5 mm²



6.15 x 79.5 x 63
24 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...12		
	4 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...2.5	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
8 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
VLI 1.5 DB	50	**1784120000**
VLI 1.5/PE DB	50	**1784130000**

Type	Qty.	Order No.
AP VLI1.5 DB	20	**1784150000**
WEW 35/1	50	**1059000000**
SDIS 0.6X3.5X100	1	**2749810000**
DEK 5/5 MC NE WS	1000	**1609801044**
VQB 1.5/50 SW	5	**1635120000**
VQB 1.5/50 BL	5	**1633280000**
VQB 1.5/50 RT	5	**1633290000**

Safe supply to equipment in the panel

Klippon® Connect for optimum control voltage distribution

For power supplies to equipment in the panel, there is an increased risk of incorrect connections because of the large number of conductors. Our tailored AAP potential distribution terminal blocks and the maxGUARD modular system with built-in electronic load monitoring offer ideal solutions for surge current protection and clear, structured power distribution within control voltage circuits. The considerable space saving and reduced wiring means you can guarantee supply to your panel equipment simply and effectively.

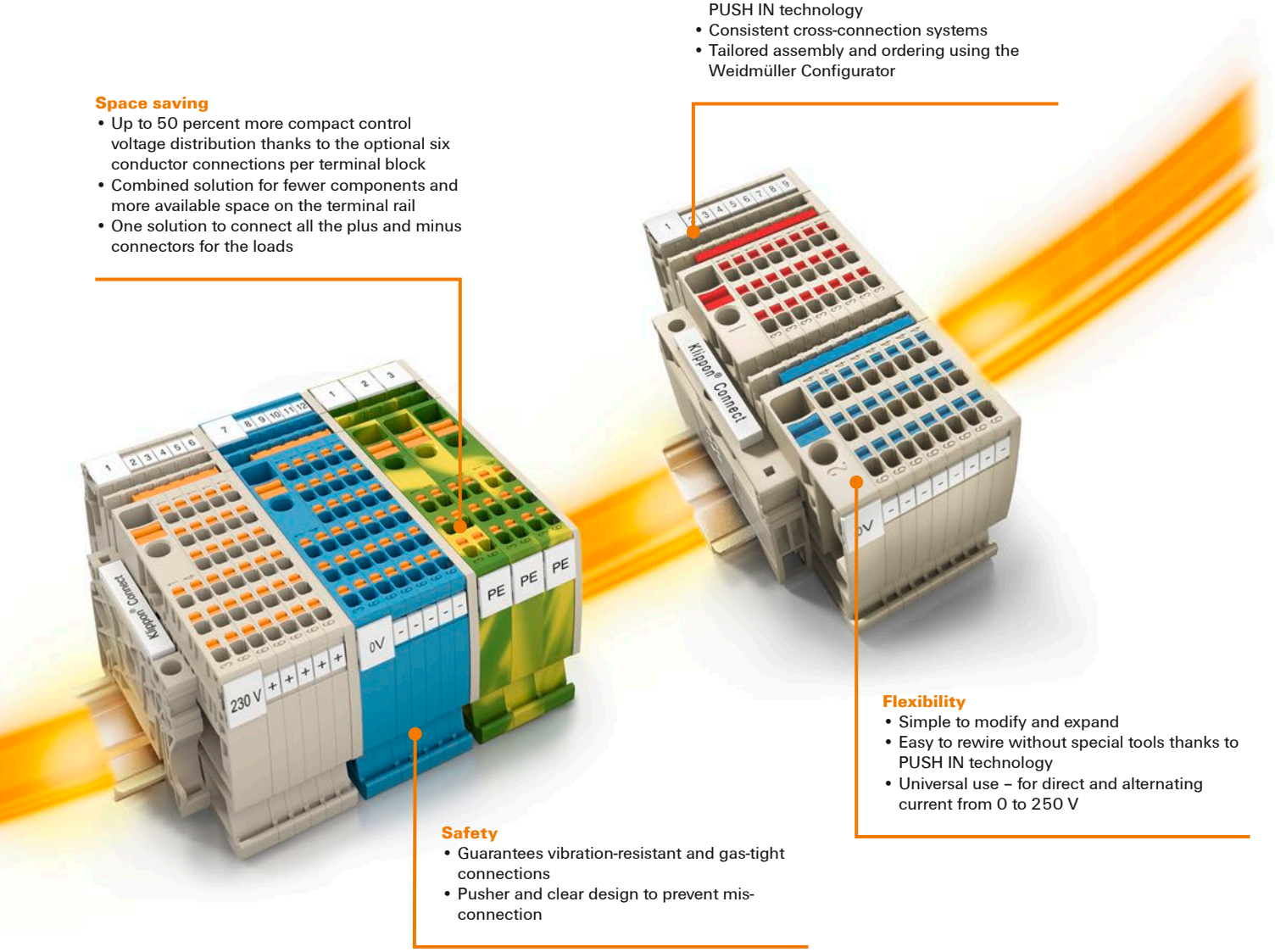
Our promise

For complex wiring projects in confined spaces, we offer a future-oriented strategy for central potential distribution with direct wiring option for all the device's plus and minus potentials. This means that Klippon® Connect makes planning and implementing your control voltage distribution system considerably more productive.



Time saving
- Maximum time saving on wiring thanks to PUSH IN technology
- Consistent cross-connection systems
- Tailored assembly and ordering using the Weidmüller Configurator

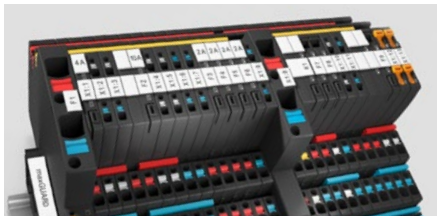
Space saving
- Up to 50 percent more compact control voltage distribution thanks to the optional six conductor connections per terminal block
- Combined solution for fewer components and more available space on the terminal rail
- One solution to connect all the plus and minus connectors for the loads



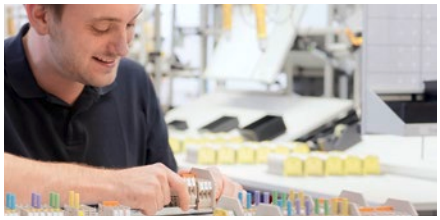
Flexibility
- Simple to modify and expand
- Easy to rewire without special tools thanks to PUSH IN technology
- Universal use – for direct and alternating current from 0 to 250 V

Safety
- Guarantees vibration-resistant and gas-tight connections
- Pusher and clear design to prevent mis-connection

Our range



Combined load monitoring and potential distribution:
maxGUARD is our unique modular system for control voltage distribution. The consistent design of the electronic load monitoring and potential distribution terminal blocks plus the simple cross-connection options save time and money and prevent mis-connections.



Simpler customised solutions:
Our assembly service for standard blocks and completed control voltage distribution systems guarantees ease of ordering and production optimisation. We create a perfect-fit solution for all of your requirements.

Individual configuration for each control cabinet type

The modular terminal block system for control voltage distribution

Professional marking
Large marking areas in combination with our marking solutions ensure precise identification of the individual terminal blocks.

Convenient feed terminal
A distinguishable power terminal offers a simple powersupply into the system.

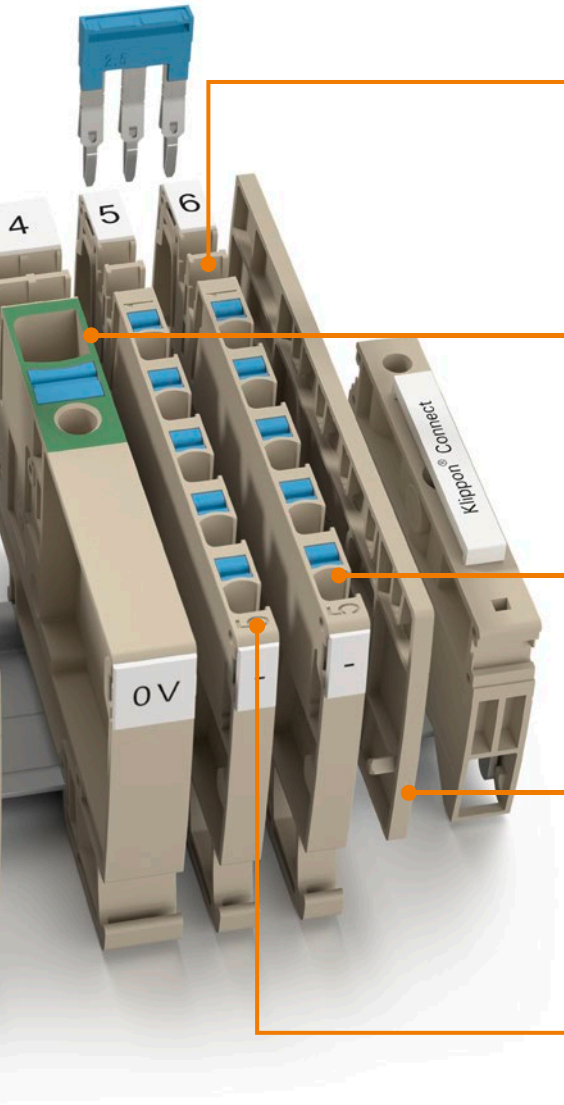
Integrated test point
The integrated test point enables fast and simple testing with standard measuring tips and test plugs.

Coloured pushers
The colour coding can easily distinguish the different potentials. Oversight saves time and costs for maintenance and troubleshooting.



Your special advantages:

Time saving
- Maximum time saving on wiring thanks to PUSH IN technology
- Consistent cross-connection systems
- Tailored assembly and ordering using the Weidmüller Configurator



Two cross-connection channels
The modular system allows an additional terminal block to be attached and expanded via an additional cross-connection in the second cross-connection channel.

Optional FE variants
The FE terminals have a contact to the DIN rail underneath, which serves as zero adjustment of the potetial.

Distinct distribution terminals
Easily identifiable terminals to distribute power to idividaual branch circuits

Robust end plates
The end plates ensure finger safety and separation of the different potetials.

Distinct contact identification
Each contact point on the terminal block has a distinct mark such that it can be assigned unambiguously to the connection point in the circuit diagram.

Space saving

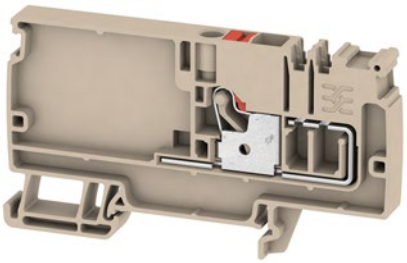
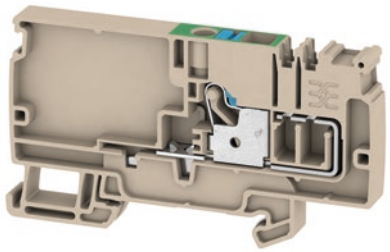
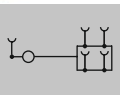
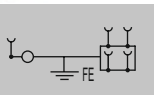
- Up to 50 percent more compact control voltage distribution thanks to the optional six conductor connections per terminal block
- Combined solution for fewer components and more available space on the terminal rail
- One solution to connect all the plus and minus connectors for the loads

Flexibility

- Simple to modify and expand
- Easy to rewire without special tools thanks to PUSH IN technology
- Universal use – for direct and alternating current from 0 to 250 V

AAP - potential distribution terminal blocks

Potential distribution with separate fusing

	AAP11 6 LO	AAP11 6 FE
	6 mm²	6 mm²
		
Width/Height/Depth mm	8.1 x 85.5 x 47	8.1 x 85.5 x 47
max. current / max. cond. cross-section A/mm²	**41 / 6**	**/ 6**
Max. clamping range mm²	**0.34...6**	**0.34...6**
		

Technical data

Rated data	AAP11 6 LO	AAP11 6 FE
	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-2
Rated voltage of feed-through terminal V	500	
Rated current A	41	
for wire cross-section mm²	6	6
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	A5 / V-0
Approvals	IEC, UL, CSA, EN 60079-7	IEC, UL, CSA, EN 60079-7
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note		

IEC	UL	CSA	EN 60079-7
500	300	300	
41	36	36	
6	AWG 22...8	AWG 22...8	

IEC	UL	CSA	EN 60079-7
	300	300	
6	AWG 22...8	AWG 22...8	

Ordering data

Version	Type	Qty.	Order No.
beige / red pusher	AAP11 6 LO RD	20	**1989780000**
beige / blue pusher	AAP11 6 LO BL	20	**1988130000**
beige / orange pusher	AAP11 6 LO OR	20	**2503650000**
beige / white pusher	AAP11 6 LO WT	20	**2683430000**
green-yellow / orange pusher			
blue / orange pusher	AAP11 6 LO BL/OR	20	**2522720000**
green / orange pusher	AAP11 6 LO GN/OR	20	**2718300000**
Note			

Type	Qty.	Order No.
AAP11 6 FE	20	**1988140000**

FE = functional earth, contact to DIN rail.

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
2-pole / blue	ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
10-pole/ blue	ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
End plate / Partition plate				
	AEP AP11		20	**1988320000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 1,0X5,5X125		1	**2749160000**
Marking tags				
	DEK-A 5/8 MM WS		500	**2448860000**
	WS-A 8/8 MM WS		500	**2448930000**
	DEK 5/8 PLUS MC NE WS		800	**1046350000**
	WS 10/8 PLUS MC NE WS		420	**1905950000**

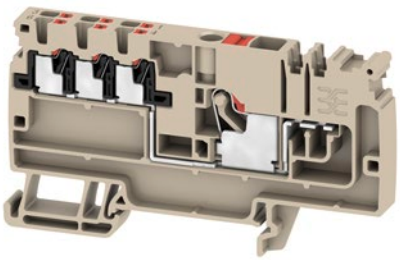
Plug-in cross-connection	Type		Qty.	Order No.
	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
	ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
	ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
	AEP AP11		20	**1988320000**
	AEB 35 SC/1		50	**1991920000**
	AEB 35 SCL/1 V0		20	**2661280000**
	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	PS 2.0 MC		20	**0310000000**
	SDIL 1,0X5,5X125		1	**2749160000**
	DEK-A 5/8 MM WS		500	**2448860000**
	WS-A 8/8 MM WS		500	**2448930000**
	DEK 5/8 PLUS MC NE WS		800	**1046350000**
	WS 10/8 PLUS MC NE WS		420	**1905950000**

For detailed information on other accessories and application in the online catalogue

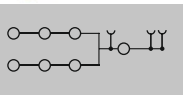
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP11 6/6X1.5 LO-LI — 6 mm²



8.1 x 85.5 x 47
41 / 6
0.34...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
41	38		
6	AWG 26...8		
	6 kV / 3		
	A5 / V-0		

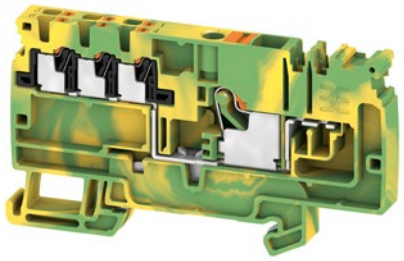
Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP11 6/6X1.5 LO-LI RD	20	2464690000
AAP11 6/6X1.5 LO-LI BL	20	2464750000
AAP11 6/6X1.5 LO-LI OR	20	2503870000
AAP11 6/6X1.5 LO-LI WT	20	2712960000
AAP11 6/6X1.5 LO-LI BL/OR	20	2522830000

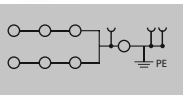
Type		Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers

AAP11 6/6X1.5 PE-LI — 6 mm²



8.1 x 85.5 x 47
/ 6
0.34...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	300		
6	AWG 26...8		
	6 kV / 3		
	A5 / V-0		

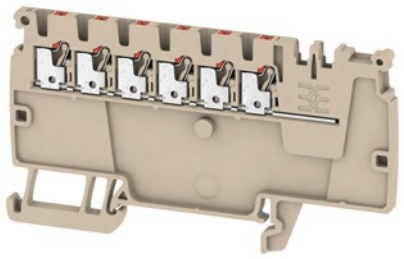
Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP11 6/6X1.5 PE-LI	20	2464740000

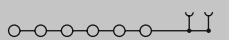
Type		Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers

AAP11 1.5 LI — 1.5 mm²



3.5 x 85.5 x 47
17.5 / 1.5
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
AAP11 1.5 LI RD	50	1988160000
AAP11 1.5 LI BL	50	1988170000
AAP11 1.5 LI OR	50	2503910000
AAP11 1.5 LI WT	50	2683440000
AAP11 1.5 LI BL/OR	50	2522870000
AAP11 1.5 LI GN/OR	50	2614100000

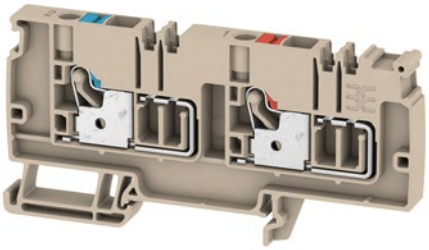
Type		Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
SDIS 0.4X2.0X60		1	2749780000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

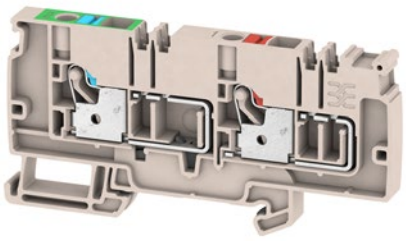
All MultiMark variants (MM) = strip markers

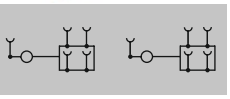
AAP – potential distribution terminal blocks

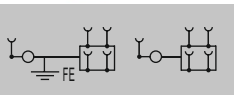
Potential distribution with separate fusing

	AAP13 6 LO-LO	AAP13 6 FE-LO
	6 mm²	6 mm²
Width/Height/Depth mm	8.1 x 96 x 47	8.1 x 96 x 47
max. current / max. cond. cross-section A/mm²	41 / 6	41 / 6
Max. clamping range mm²	0.34...6	0.34...6









Technical data

Rated data		AAP13 6 LO-LO	AAP13 6 FE-LO
Rated voltage of feed-through terminal	V	250	250
Rated current	A	41	41
for wire cross-section	mm²	6	6
Rated impulse withstand voltage / Pollution severity		4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0	A5 / V-0
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule	mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size	mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150	150	
41	36	36	
6	AWG 22...8	AWG 22...8	

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250	150	150	
41	36	36	
6	AWG 22...8	AWG 22...8	

Ordering data

Version	Type	Qty.	Order No.
beige / red and blue pusher	AAP13 6 LO-LO	20	1988260000
beige / orange and orange pusher	AAP13 6 FE-LO	20	1988270000
Note			

FE = functional earth, contact to terminal rail.

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	1985650000
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	1985800000
2-pole / blue	ZQV 1.5N/2 BL	17.5 A	60	1985530000
10-pole/ blue	ZQV 1.5N/10 BL	17.5 A	20	1985680000
End plate / Partition plate				
	AEP AP13		20	1990140000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 1,0X5,5X125		1	2749160000
Marking tags				
	DEK-A 5/8 MM WS		500	2448860000
	WS-A 8/8 MM WS		500	2448930000
	DEK 5/8 PLUS MC NE WS		800	1046350000
	WS 10/8 PLUS MC NE WS		420	1905950000

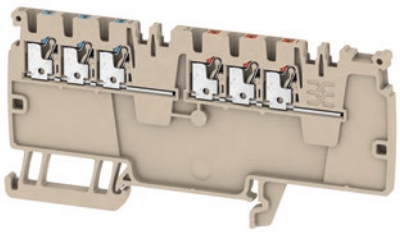
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	1985650000
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	1985800000
2-pole / blue	ZQV 1.5N/2 BL	17.5 A	60	1985530000
10-pole/ blue	ZQV 1.5N/10 BL	17.5 A	20	1985680000
End plate / Partition plate				
	AEP AP13		20	1990140000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 1,0X5,5X125		1	2749160000
Marking tags				
	DEK-A 5/8 MM WS		500	2448860000
	WS-A 8/8 MM WS		500	2448930000
	DEK 5/8 PLUS MC NE WS		800	1046350000
	WS 10/8 PLUS MC NE WS		420	1905950000

For detailed information on other accessories and application in the online catalogue

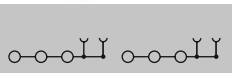
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP13 1.5 LI-LI — 1.5 mm²



3.5 x 96 x 47
16 / 1.5
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
250	150	150	
16	13	13	
1.5	AWG 26...14	AWG 26...14	
	4 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

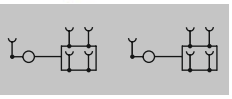
Type		Qty.	Order No.
AAP13 1.5 LI-LI		50	**1988280000**
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP AP13		20	**1990140000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
SDIS 0.4X2.0X60		1	**2749780000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 MM WS		1000	**2007100000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

All MultiMark variants (MM) = strip markers

AAP13 6 LO-LO OR — 6 mm²



8.1 x 96 x 47
41 / 6
0.34...6



In accordance with IEC 60947-7-1

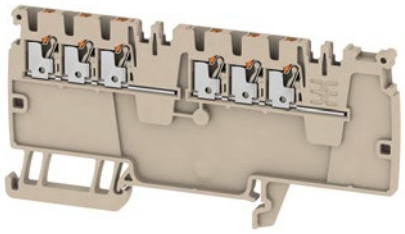
IEC	UL	CSA	EN 60079-7
250			
41			
6			
		4 kV / 3	
		A5 / V-0	

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

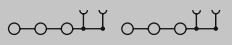
Type		Qty.	Order No.
AAP13 6 LO-LO OR		20	**2623910000**
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP AP13		20	**1990140000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDIL 1,0X5,5X125		1	**2749160000**
DEK-A 5/8 MM WS		500	**2448860000**
WS-A 8/8 MM WS		500	**2448930000**
DEK 5/8 PLUS MC NE WS		800	**1046350000**
WS 10/8 PLUS MC NE WS		420	**1905950000**

All MultiMark variants (MM) = strip markers

AAP13 1.5 LI-LI OR — 1.5 mm²



3.5 x 96 x 47
16 / 1.5
0.14...1.5



IEC/EN 60947-7-1:2009

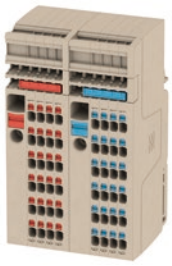
IEC	UL	CSA	EN 60079-7
250			
16			
1.5			
		A1 / V-0	

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 /

Type		Qty.	Order No.
AAP13 1.5 LI-LI OR		50	**2623920000**
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP AP13		20	**1990140000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
SDIS 0.4X2.0X60		1	**2749780000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 MM WS		1000	**2007100000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

	SET AAP11 6/1.5/12C	6 mm²	SET AAP11 6/1.5/24C	6 mm²
				
Width/Height/Depth mm	35 x 85.5 x 47		49 x 85.5 x 47	
max. current / max. cond. cross-section A/mm²	**35 / 6**		**41 / 6**	
Max. clamping range mm²	**0.34...6**		**0.34...6**	

Technical data

	SET AAP11 6/1.5/12C	SET AAP11 6/1.5/24C
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage of feed-through terminal V	500	500
Rated current A	35	41
for wire cross-section mm²	6	6
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	A5 / V-0
Approvals	CE	CE
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	SET AAP11 6/1.5/12C	1	**2506090000**	SET AAP11 6/1.5/24C	1	**2506370000**
Note						

Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
End bracket								
dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Tools								
Tester	ZUB MULTIMETER		1	**9205270000**	ZUB MULTIMETER		1	**9205270000**
Marking tags								
	DEK 5/8 MC NE WS		800	**1856740000**	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC SDR		84	**1906030000**	WS 10/8 PLUS MC SDR		84	**1906030000**

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

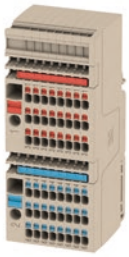
All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

SET AAP13 6/1.5/12C — 6 mm²



SET AAP13 6/1.5/24C — 6 mm²



Width/Height/Depth	mm	24.5 x 96 x 47	38.5 x 96 x 47
max. current / max. cond. cross-section	A/mm²	**41 / 6**	**41 / 6**
Max. clamping range	mm²	**0.34...6**	**0.34...6**

Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	250			
Rated current A	41			
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity			4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0	
Approvals	CE			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...6 / 0.5...6			
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6			
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm			

Note

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	250			
Rated current A	41			
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity			4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0	
Approvals	CE			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...6 / 0.5...6			
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6			
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
	SET AAP13 6/1.5/12C	1	**2506340000**

Note

Version	Type	Qty.	Order No.
	SET AAP13 6/1.5/24C	1	**2506380000**

Note

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Tools				
Tester	ZUB MULTIMETER		1	**9205270000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC SDR		84	**1906030000**

Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Tools				
Tester	ZUB MULTIMETER		1	**9205270000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC SDR		84	**1906030000**

For detailed information on other accessories and application in the online catalogue

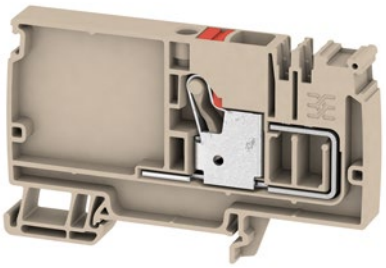
All MultiMark variants (MM) = strip markers

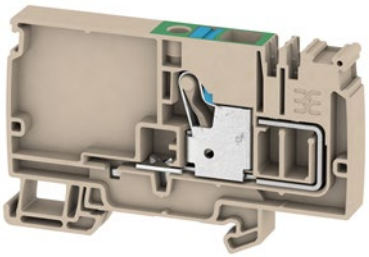
All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

Potential distribution with separate fusing

	AAP12 10 LO	AAP12 10 FE
	10 mm²	10 mm²
Width/Height/Depth mm	10 x 89 x 53.5	10 x 89 x 53.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**/ 10**
Max. clamping range mm²	**0.5...10**	**0.5...10**





Technical data

Rated data	AAP12 10 LO	AAP12 10 FE
Rated voltage of feed-through terminal V	800	600
Rated current A	57	
for wire cross-section mm²	10	10
Rated impulse withstand voltage / Pollution severity	8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating	A6 / V-0	
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note		

In accordance with IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600	600	
57	51	51	
10	AWG 20...6	AWG 20...6	

In accordance with IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
	600	600	
10	AWG 20...6	AWG 20...6	

Ordering data

Version	Type	Qty.	Order No.
beige / red pusher	AAP12 10 LO RD	20	1988190000
beige / blue pusher	AAP12 10 LO BL	20	1988180000
beige / orange pusher	AAP12 10 LO OR	20	2503900000
beige / white pusher	AAP12 10 LO WT	20	2683450000
green-yellow / orange pusher			
blue / orange pusher	AAP12 10 LO BL/OR	20	2522860000
green / orange pusher	AAP12 10 LO GN/OR	20	2619410000
Note			

Type	Qty.	Order No.
AAP12 10 FE	20	1988200000

FE = functional earth, contact to DIN rail.

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	2108470000
10-pole / red	ZQV 2.5N/10 RD	24 A	20	2108910000
2-pole / blue	ZQV 2.5N/2 BL	24 A	60	1527740000
10-pole/ blue	ZQV 2.5N/10 BL	24 A	20	1527880000
End plate / Partition plate				
	AEP AP12		20	1988300000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 1,0X5,5X125		1	2749160000
Marking tags				
	WS-A 8/10 MM WS		350	2619890000
	WS 10/12 MC NE WS		300	1905970000

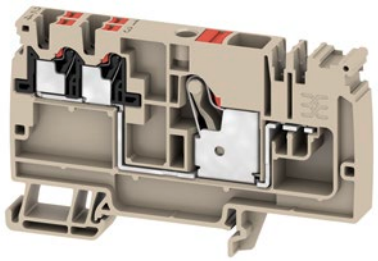
Type		Qty.	Order No.
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
WS-A 8/10 MM WS		350	2619890000
WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue

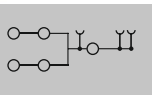
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP12 10/4X2.5 10 LO-LI — 10 mm²



10 x 89 x 53.5
57 / 10
0.5...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57	55		
10	AWG 28...6		
	8 kV / 3		
	A6 / V-0		

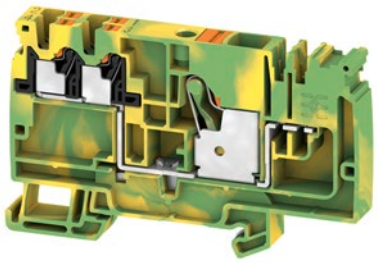
Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP12 10/4X2.5 LO-LI RD	20	2464730000
AAP12 10/4X2.5 LO-LI BL	20	2464720000
AAP12 10/4X2.5 LO-LI OR	20	2503890000
AAP12 10/4X2.5 LO-LI WT	20	2712970000
AAP12 10/4X2.5 LO-LI BL/OR	20	2522850000

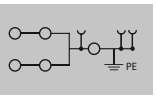
Type		Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
WS-A 8/10 MM WS		350	2619890000
WS 10/12 MC NE WS		300	1905970000

All MultiMark variants (MM) = strip markers

AAP12 10/4X2.5 PE-LI — 10 mm²



10 x 89 x 53.5
/ 10
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600		
10	AWG 28...8		
	8 kV / 3		
	A6 / V-0		

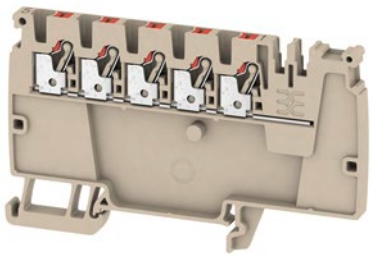
Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP12 10/4X2.5 PE-LI	20	2464710000

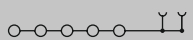
Type		Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0X5,5X125		1	2749160000
WS-A 8/10 MM WS		350	2619890000
WS 10/12 MC NE WS		300	1905970000

All MultiMark variants (MM) = strip markers

AAP12 2.5 LI — 2.5 mm²



5.1 x 89 x 53.5
24 / 2.5
0.14...2.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

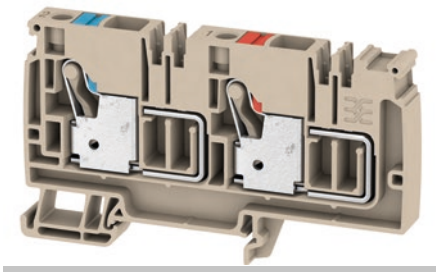
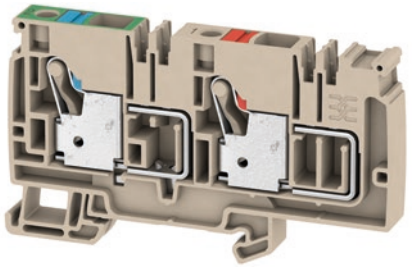
Type	Qty.	Order No.
AAP12 2.5 LI RD	50	1988290000
AAP12 2.5 LI BL	50	1988100000
AAP12 2.5 LI OR	50	2503880000
AAP12 2.5 LI WT	50	2683460000
AAP12 2.5 LI BL/OR	50	2522840000
AAP12 2.5 LI GN/OR	50	2614110000

Type		Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

Potential distribution with separate fusing

	AAP14 10 LO-LO	AAP14 10 FE-LO
	10 mm²	10 mm²
		
Width/Height/Depth mm	10 x 94 x 53.5	10 x 94 x 53.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**57 / 10**
Max. clamping range mm²	**0.5...10**	**0.5...10**

Technical data

	AAP14 10 LO-LO	AAP14 10 FE-LO
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-2
Rated voltage of feed-through terminal V	500	500
Rated current A	57	57
for wire cross-section mm²	10	10
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A6 / V-0	A6 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note		

IEC	UL	CSA	EN 60079-7
500	150	150	
57	51	51	
10	AWG 20...6	AWG 20...6	

IEC	UL	CSA	EN 60079-7
500	150	300	
57	51	51	
10	AWG 20...6	AWG 20...6	

Ordering data

Version	AAP14 10 LO-LO	AAP14 10 FE-LO
	beige / red and blue pusher	
Note		FE = functional earth, contact to terminal rail

Type	Qty.	Order No.
AAP14 10 LO-LO	20	**1988250000**

Type	Qty.	Order No.
AAP14 10 FE-LO	20	**1988240000**

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	**2108470000**
10-pole / red	ZQV 2.5N/10 RD	24 A	20	**2108910000**
2-pole / blue	ZQV 2.5N/2 BL	24 A	60	**1527740000**
10-pole/ blue	ZQV 2.5N/10 BL	24 A	20	**1527880000**
End plate / Partition plate				
	AEP AP14		20	**1988340000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 1,0X5,5X125		1	**2749160000**
Marking tags				
	WS-A 8/10 MM WS		350	**2619890000**
	WS 10/12 MC NE WS		300	**1905970000**
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

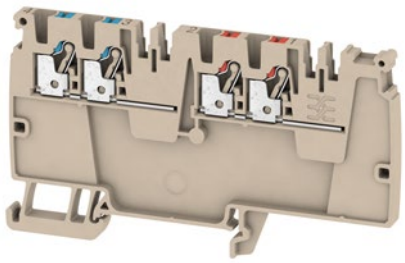
	Type		Qty.	Order No.
	ZQV 2.5N/2 RD	24 A	60	**2108470000**
	ZQV 2.5N/10 RD	24 A	20	**2108910000**
	ZQV 2.5N/2 BL	24 A	60	**1527740000**
	ZQV 2.5N/10 BL	24 A	20	**1527880000**
	AEP AP14		20	**1988340000**
	AEB 35 SC/1		50	**1991920000**
	AEB 35 SCL/1 V0		20	**2661280000**
	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	PS 2.0 MC		20	**0310000000**
	SDIL 1,0X5,5X125		1	**2749160000**
	WS-A 8/10 MM WS		350	**2619890000**
	WS 10/12 MC NE WS		300	**1905970000**
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

For detailed information on other accessories and application in the online catalogue

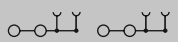
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP14 2.5 LI-LI — 2.5 mm²



5.1 x 94 x 53.5
24 / 2.5
0.14...2.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	150	150	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AAP14 2.5 LI-LI	50	**1988230000**

Type		Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	**2108470000**
ZQV 2.5N/10 RD	24 A	20	**2108910000**
ZQV 2.5N/2 BL	24 A	60	**1527740000**
ZQV 2.5N/10 BL	24 A	20	**1527880000**
AEP AP14		20	**1988340000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
SDIL 0,6X3,5X100		1	**2749140000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
DEK 5/5 MM WS		800	**2007110000**

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

SET AAP12 10/2.5/10C | **10 mm²**



Width/Height/Depth	mm	45.2 x 89 x 53.5
max. current / max. cond. cross-section	A/mm²	**48 / 10**
Max. clamping range	mm²	**0.5...10**

Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	800			
Rated current A	48			
for wire cross-section mm²	10			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A6 / V-0	
Approvals	CE			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...10 / 0.5...10			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10			
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
	SET AAP12 10/2.5/10C	1	**2506350000**

Note

Accessories

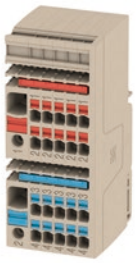
	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	**2108470000**
10-pole / red	ZQV 2.5N/10 RD	24 A	20	**2108910000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Tools				
Tester	ZUB MULTIMETER		1	**9205270000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC SDR		84	**1906030000**

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

SET AAP14 10/2.5/10C | **10 mm²**



Width/Height/Depth	mm	36.5 x 89 x 53.5
max. current / max. cond. cross-section	A/mm²	**57 / 10**
Max. clamping range	mm²	**0.5...10**

Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	500			
Rated current A	57			
for wire cross-section mm²	10			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A6 / V-0	
Approvals	CE			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...10 / 0.5...10			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10			
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
	SET AAP14 10/2.5/10C	1	**2506360000**

Note

Accessories

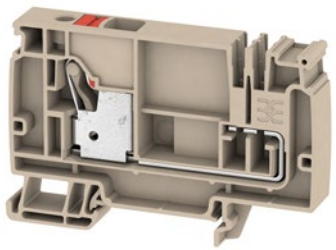
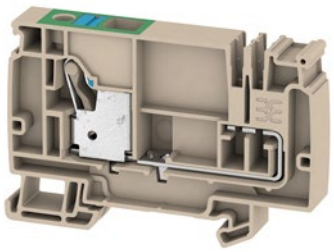
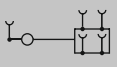
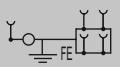
Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	**2108470000**
10-pole / red	ZQV 2.5N/10 RD	24 A	20	**2108910000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Tools				
Tester	ZUB MULTIMETER		1	**9205270000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC SDR		84	**1906030000**

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

Potential distribution with separate fusing

	AAP21 10 LO	AAP21 10 FE
	10 mm²	10 mm²
		
Width/Height/Depth mm	12 x 82 x 53.5	12 x 82 x 53.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**/ 10**
Max. clamping range mm²	**0.5...10**	**0.5...10**
		
	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-2
	Ex ec II C Gc II 2 G D	Ex ec II C Gc II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	600 (C)	600 (C)	
Rated current A	57	51	51	57
for wire cross-section mm²	10	AWG 20...6	AWG 20...6	10
Rated impulse withstand voltage / Pollution severity			4 kV / 3	
UL 94 flammability rating			V-0	
Approvals				TUEV17ATEX8063U

Clamped conductors (H05V/H07V)	AAP21 10 LO	AAP21 10 FE
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length	18 mm	18 mm
Blade size	1.0 x 5.5 mm	1.0 x 5.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
beige / red pusher	AAP21 10 LO RD	20	**2428910000**
beige / blue pusher	AAP21 10 LO BL	20	**2428940000**
beige / orange pusher	AAP21 10 LO OR	20	**2581690000**
blue / orange pusher			
Note			

Type	Qty.	Order No.
AAP21 10 FE	20	**2428920000**
Functional earth (FE), contact to terminal rail		

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 4N/2 RD	32 A	60	**2460450000**
10-pole / red	ZQV 4N/10 RD	32 A	20	**2460740000**
2-pole / blue	ZQV 4N/2 BL	32 A	60	**1528040000**
10-pole/ blue	ZQV 4N/10 BL	32 A	20	**1528230000**
End plate / Partition plate				
	AEP AP21		20	**2429020000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige				
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags				
	WS 10/12 MC NE WS		300	**1905970000**
	WS-A 8/12 MM WS		300	**2619900000**

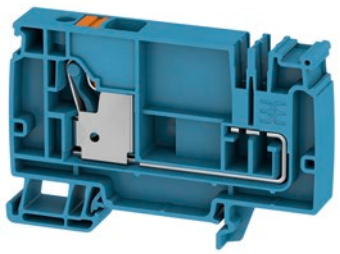
Plug-in cross-connection	Type		Qty.	Order No.
	ZQV 4N/2 RD	32 A	60	**2460450000**
	ZQV 4N/10 RD	32 A	20	**2460740000**
	ZQV 4N/2 BL	32 A	60	**1528040000**
	ZQV 4N/10 BL	32 A	20	**1528230000**
	AEP AP21		20	**2429020000**
	AEB 35 SC/1		50	**1991920000**
	AEB 35 SCL/1 V0		20	**2661280000**
	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	PS 2.0 MC		20	**0310000000**
	SDIL 0,6X3,5X100		1	**2749140000**

For detailed information on other accessories and application in the online catalogue

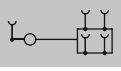
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP21 10 LO — 10 mm²



12 x 82 x 53.5
57 / 10
0.5...10



In accordance with IEC 60947-7-1
Ex ec II C Gc II 2 G D

IEC	UL	CSA	EN 60079-7
250	600 (C)	600 (C)	
57	51	51	57
10	AWG 20...6	AWG 20...6	10
4 kV / 3			
V-0			
TUEV17ATEX8063U			

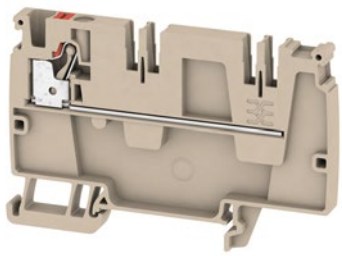
Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 mm
1.0 x 5.5 mm

Type	Qty.	Order No.
AAP21 10 LO BL/OR	20	2581800000

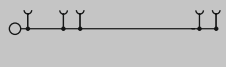
Type		Qty.	Order No.
ZQV 4N/2 RD	32 A	60	2460450000
ZQV 4N/10 RD	32 A	20	2460740000
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP21		20	2429020000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000

All MultiMark variants (MM) = strip markers

AAP21 4 LI — 4 mm²



6.1 x 82 x 53.5
32 / 4
0.14...4



In accordance with IEC 60947-7-1
Ex ec II C Gc II 2 G D

IEC	UL	CSA	EN 60079-7
250	300 (C)	300 (C)	
32	20	20	32
4	AWG 26...10	AWG 26...10	4 mm²
4 kV / 3			
V-0			
TUEV17ATEX8063U			

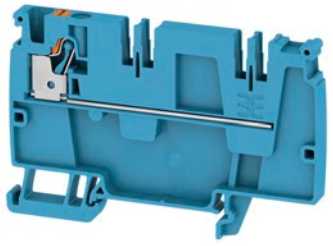
Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 mm
0.6 x 3.5 mm

Type	Qty.	Order No.
AAP21 4 LI RD	50	2428930000
AAP21 4 LI BL	50	2428960000
AAP21 4 LI OR	50	2581700000

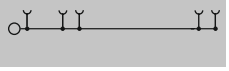
Type		Qty.	Order No.
ZQV 4N/2 RD	32 A	60	2460450000
ZQV 4N/10 RD	32 A	20	2460740000
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP21		20	2429020000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

All MultiMark variants (MM) = strip markers

AAP21 4 LI — 4 mm²



6.1 x 82 x 53.5
32 / 4
0.14...4



In accordance with IEC 60947-7-1
Ex ec II C Gc II 2 G D

IEC	UL	CSA	EN 60079-7
250	300 (C)	300 (C)	
32	20	20	32
4	AWG 26...10	AWG 26...10	4 mm²
4 kV / 3			
V-0			
TUEV17ATEX8063U			

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 mm
0.6 x 3.5 mm

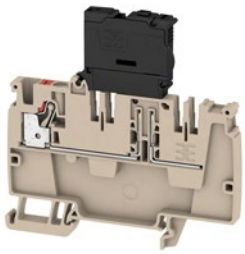
Type	Qty.	Order No.
AAP21 4 LI BL/OR	50	2582530000

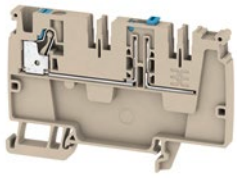
Type		Qty.	Order No.
ZQV 4N/2 RD	32 A	60	2460450000
ZQV 4N/10 RD	32 A	20	2460740000
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP21		20	2429020000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

All MultiMark variants (MM) = strip markers

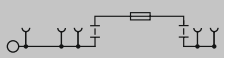
AAP – potential distribution terminal blocks

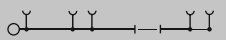
	AAP21 4 FS	AAP21 4 DT
	4 mm²	4 mm²





Width/Height/Depth	6.1 x 82 x 82	6.1 x 82 x 55
max. current / max. cond. cross-section	**6.3 / 4**	**20 / 4**
Max. clamping range	**0.14...4**	**0.14...4**





	In accordance with IEC 60947-7-3 Ex ec II C Gc II 2 G D	In accordance with IEC 60947-7-1 Ex ec II C Gc II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	150 (C)		
Rated current A	6.3	10		6.3
for wire cross-section mm²	4	AWG 26...10		4 mm²
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				TUEV17ATEX8064U

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	150 (C)	150 (C)	
Rated current A	20	20	20	20
for wire cross-section mm²	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				TUEV16ATEX7939U

Clamped conductors (H05V/H07V)	Rated connection	Rated connection
Solid / Stranded mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Stripping length	12 mm	12 mm
Blade size	0.6 x 3.5 mm	0.6 x 3.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
beige / red pusher, 250 V AC/DC, without LED	AAP21 4 FS	50	**2428950000**
beige / red pusher, 10-36 V AC/DC, with LED	AAP21 4 FS 10-36V	50	**2458990000**
beige / red pusher, 30-70 V AC/DC, with LED	AAP21 4 FS 30-70V	50	**2460200000**
beige / red pusher, 60-150 V AC/DC, with LED	AAP21 4 FS 60-150V	50	**2460190000**
beige / red pusher, 100-250 V AC/DC, with LED	AAP21 4 FS 100-250V	50	**2460180000**
beige / orange pusher, 250 V AC/DC, without LED	AAP21 4 FS OR	50	**2581720000**
beige / orange pusher, 100-250 V AC/DC, with LED	AAP21 4 FS 100-250V OR	50	**2581790000**
beige / blue pusher			
beige / orange pusher			
blue / orange pusher			

Type	Qty.	Order No.
AAP21 4 DT	50	**2428980000**
AAP21 4 DT OR	50	**2581710000**
AAP21 4 DT BL/OR	50	**2582520000**

Note

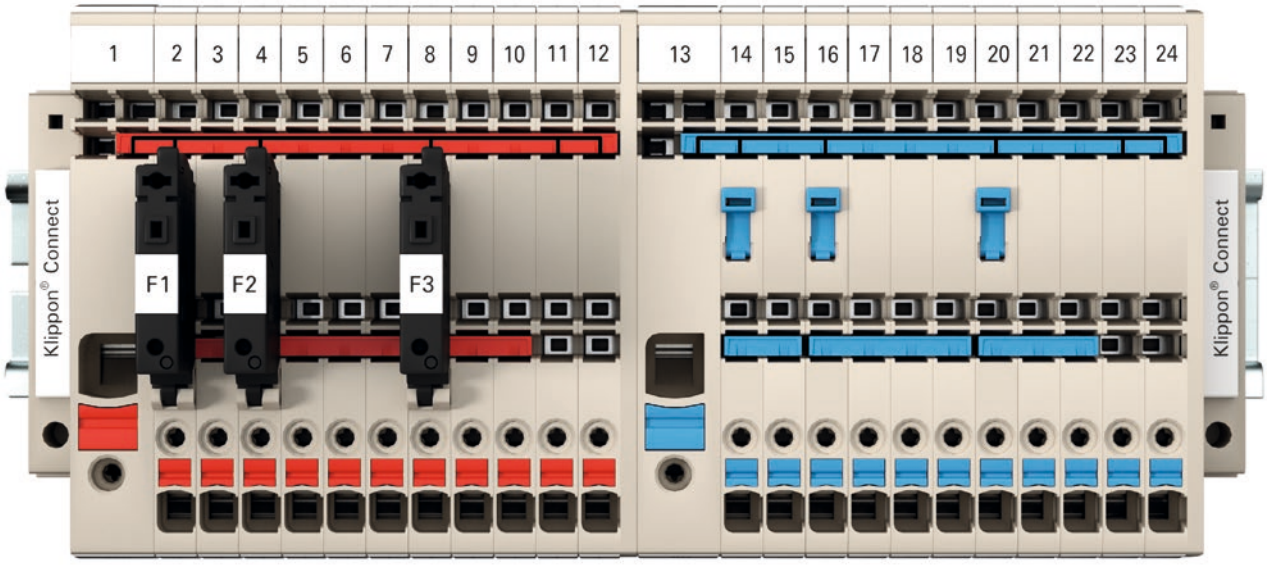
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 4N/2 RD	32 A	60	**2460450000**
10-pole / red	ZQV 4N/10 RD	32 A	20	**2460740000**
2-pole / blue				
10-pole/ blue				
End plate / Partition plate				
	AEP AP21		20	**2429020000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags				
	WS 10/6 M PLUS MC NE WS		600	**2003780000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**
	DEK 5/6 PLUS MC NE WS		1000	**1011320000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**
For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers			

Type		Qty.	Order No.
ZQV 4N/2 BL	32 A	60	**1528040000**
ZQV 4N/10 BL	32 A	20	**1528230000**
AEP AP21		20	**2429020000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**
All MultiMark variants (MM) = strip markers			

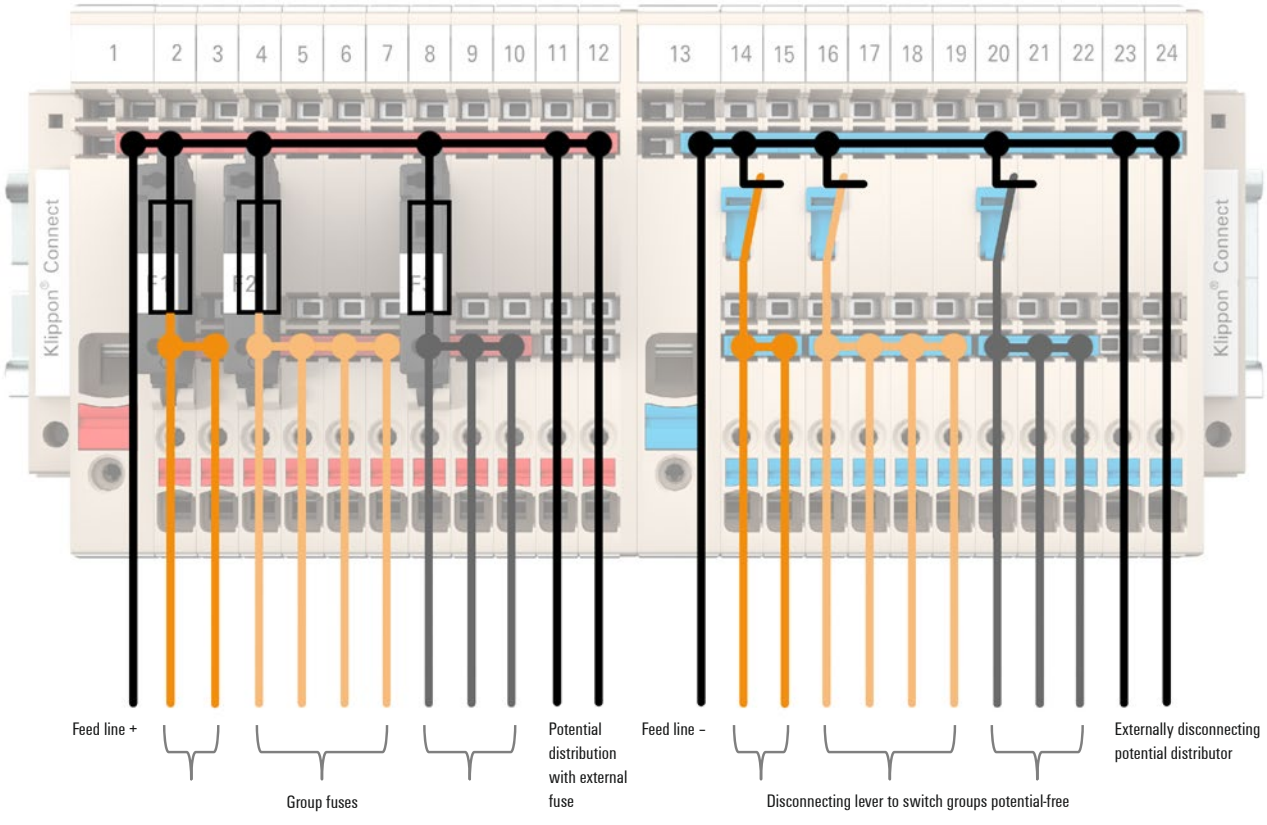
Clear, compact construction of control voltage distribution

Example configuration of potential distribution terminal block with fusing



- Group fusing through breakaway of individual poles in the cross-connections
- Groups can be switched potential-free via a disconnector
- Direct potential distribution possible without fusing within the structure

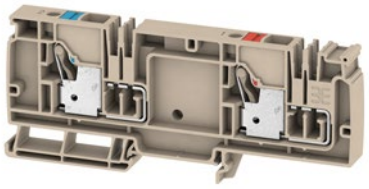
Schematic representation of circuit diagram

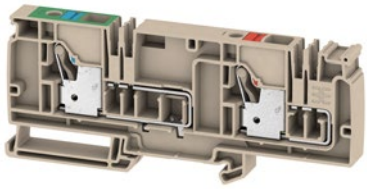


AAP - potential distribution terminal blocks

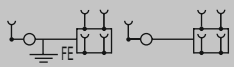
Potential distribution with integrated fusing

	AAP22 10 LO-LO	AAP22 10 FE-LO
	10 mm²	10 mm²
Width/Height/Depth mm	12 x 129 x 53.5	12 x 129 x 53.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**17 / 10**
Max. clamping range mm²	**0.5...10**	**0.5...10**









Technical data

Rated data		In accordance with IEC 60947-7-1				In accordance with IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	150	150		250	150	150	
Rated current	A	57	51	51		57	51	51	
for wire cross-section	mm²	10	AWG 20...6	AWG 20...6		10	AWG 20...6	AWG 20...6	
Rated impulse withstand voltage / Pollution severity			4 kV / 3				4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A6 / V-0				A6 / V-0		
Number of operating cycles									
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 0.5...10				0.5...10 / 0.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...10				0.5...10 / 0.5...10			
Stripping length / Blade size	mm/-	18 / 1.0 x 5.5 mm				18 / 1.0 x 5.5 mm			
Note									

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	beige / red and blue pusher	AAP22 10 LO-LO	20	**2428990000**	AAP22 10 FE-LO	20	**2429000000**
Note							

Accessories

Plug-in cross-connection		Type		Qty.	Order No.	Type		Qty.	Order No.
	2-pole/ red	ZQV 4N/2 RD	32 A	60	**2460450000**	ZQV 4N/2 RD	32 A	60	**2460450000**
	10-pole / red	ZQV 4N/10 RD	32 A	20	**2460740000**	ZQV 4N/10 RD	32 A	20	**2460740000**
	2-pole / blue	ZQV 4N/2 BL	32 A	60	**1528040000**	ZQV 4N/2 BL	32 A	60	**1528040000**
	10-pole/ blue	ZQV 4N/10 BL	32 A	20	**1528230000**	ZQV 4N/10 BL	32 A	20	**1528230000**
End plate / Partition plate									
		AEP AP22		20	**2429040000**	AEP AP22		20	**2429040000**
End bracket									
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 1,0X5,5X125		1	**2749160000**	SDIL 1,0X5,5X125		1	**2749160000**
		WS-A 8/12 MM WS		300	**2619900000**	WS-A 8/12 MM WS		300	**2619900000**
Marking tags									
		WS 10/12 MC NE WS		300	**1905970000**	WS 10/12 MC NE WS		300	**1905970000**

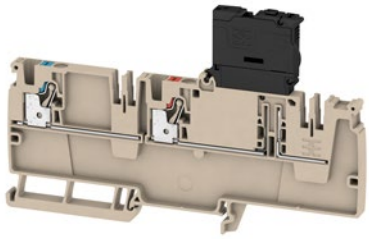
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP - potential distribution terminal blocks

AAP22 4 LI-FS | **4 mm²**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

6.1 x 129 x 82
6.3 / 4
0.14...4

In accordance with IEC 60947-7-1,
In accordance with IEC 60947-7-3 Ex ec II C Gc II 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500	300 (D)		
Rated current A	6.3	10		6.3
for wire cross-section mm²	4	AWG 26...10		4 mm²
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				TUEV17ATEX8064U
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4 / 0.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4			
Stripping length	12 mm			
Blade size	0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
250 V AC/DC, without LED	AAP22 4 LI-FS	50	**2429010000**
10–36 V AC/DC, with LED	AAP22 4 LI-FS 10-36V	50	**2459010000**
30–70 V AC/DC, with LED	AAP22 4 LI-FS 30-70V	50	**2460140000**
60–150 V AC/DC, with LED	AAP22 4 LI-FS 60-150V	50	**2460130000**
100 – 250 V AC/DC, with LED	AAP22 4 LI-FS 100-250V	50	**2460120000**

Note

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole / blue	ZQV 4N/2 BL	32 A	60	**1528040000**
10-pole/ blue	ZQV 4N/10 BL	32 A	20	**1528230000**
2-pole/ red	ZQV 4N/2 RD	32 A	60	**2460450000**
10-pole / red	ZQV 4N/10 RD	32 A	20	**2460740000**
End plate / Partition plate				
	AEP AP22		20	**2429040000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Marking tags				
	WS 10/6 M PLUS MC NE WS		600	**2003780000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**
	DEK 5/6 PLUS MC NE WS		1000	**1011320000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F	0.25 A	10	**0430500000**
0.50 A fast	G 20/0.50A/F	0.5 A	10	**0430600000**
1.00 A fast	G 20/1.00A/F	1 A	10	**0430700000**
2.00 A fast	G 20/2.00A/F	2 A	10	**0430900000**

For detailed information on other accessories and application in the online catalogue

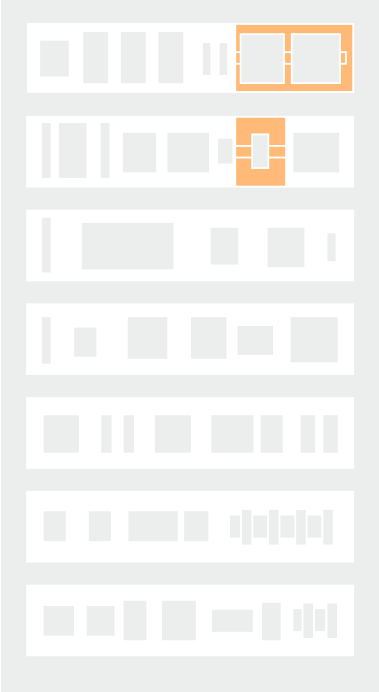
All MultiMark variants (MM) = strip markers

Control current distribution further developed

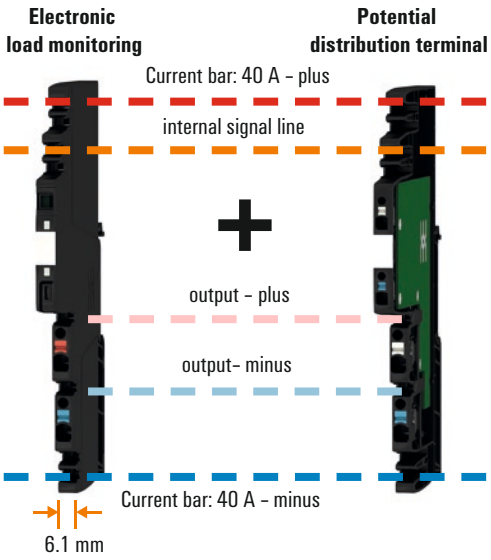
Load monitoring and potential distribution in one overall solution

New ways in the control current distribution increase the efficiency in the operation of machines and plants. The combination of load monitoring and potential distribution terminals saves up to 50 % space and up to 20 % wiring costs, while the free combinability of numerous single-channel and four-channel variants optimizes material costs. Benefit from the advantages of a modular system that offers you high flexibility and adapts optimally to any application.

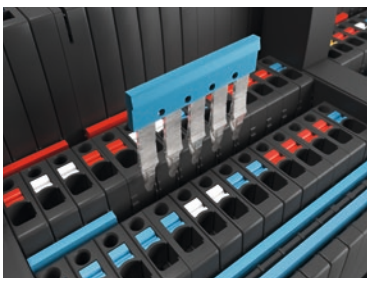




Combination of load monitoring and potential distribution



- Three main connection channels: positive, negative and internal signals
- Simple to increase the number of contacts thanks to crossconnection option in the potential distribution terminals



Intelligent protection of DC loads

topGUARD load monitoring system with communication via IO-LINK

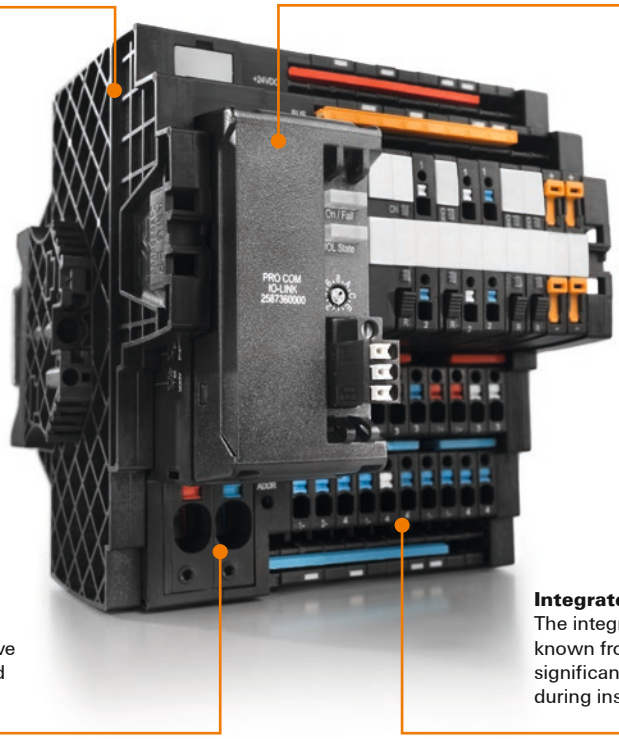
Modern machines and plants require load monitoring systems capable of communication. The IO-Link-capable load monitoring system topGUARD offers remote control options, full data transparency, and reliable protection of the 24 V system voltage.

topGUARD is an outstanding supplement to the IO-LINK-capable PROtop power supplies for innovative power management systems. It saves space and time during device installation through an innovative approach to integrated distribution of potential. Parameterisation, control, and provision of all operating data are carried out by plugging in the IO-Link module and integrating an IODD file. The module can be used for PROtop power supplies as well as for topGUARD load monitoring.

IO-LINK capable
The IO-Link-capable load monitoring system topGUARD offers remote control options, provides operating data for optimal condition monitoring, and enables entirely new control solutions.

Data transparency and remote control thanks to IO-LInk.

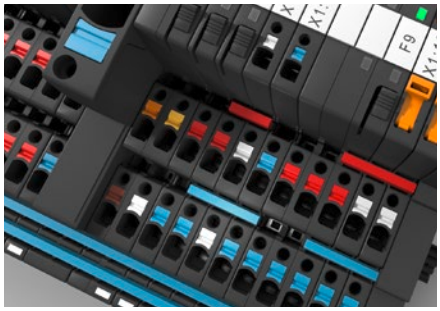




Modular and innovative
The modular concept enables custom-fit solutions. The first of its kind, voltage-adaptive class 2 load monitoring allows the continued use of 18 to 30 V DC operating voltage.

Integrated distribution of potential
The integrated distribution of potential, well known from the maxGUARD concept, takes up significantly less space and saves valuable time during installation.

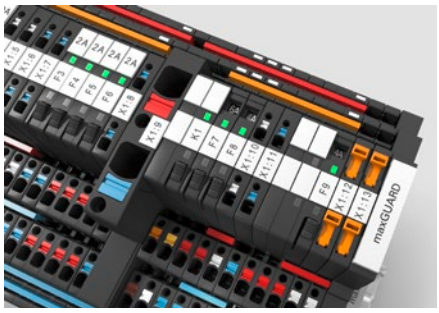




High level of modularity for optimal adaptability
Customised solutions made simple with maxGUARD

Fail-safe and maintenance-friendly control voltage distributions that can be installed in a time- and space-saving manner are a must for efficient machine and facility operation. With the new maxGUARD system, the terminal blocks (previously installed separately) for distributing potential to the outputs of the electronic load monitors become an integral part of a 24 V DC control voltage distribution solution. The new combination of load monitoring and potential distribution saves time during installation, increases safety against failure and reduces the amount of space required on the terminal rail by 50 %.

Extreme ease of servicing
Sophisticated operating, testing and connection elements permit safe access to all voltage potentials and load circuits during commissioning and maintenance.



Sophisticated arrangement of connections and markers ensures clarity



Markers for current strength

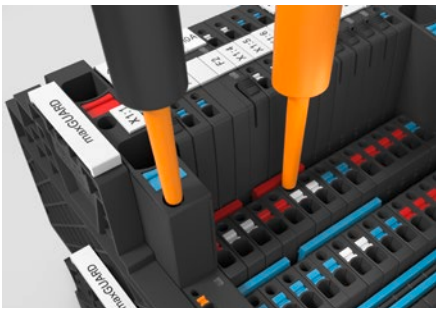
Continuous marker channel for equipment ID

Supply terminal (positive): 16 mm²

Supply terminal (negative): 16 mm²

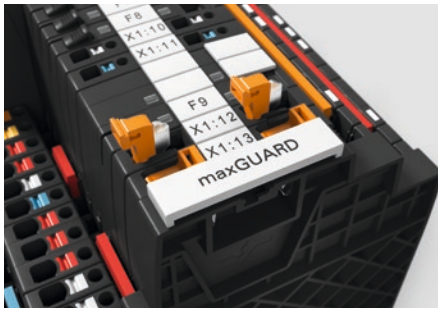
Reset input and alarm output for connecting to the PLC

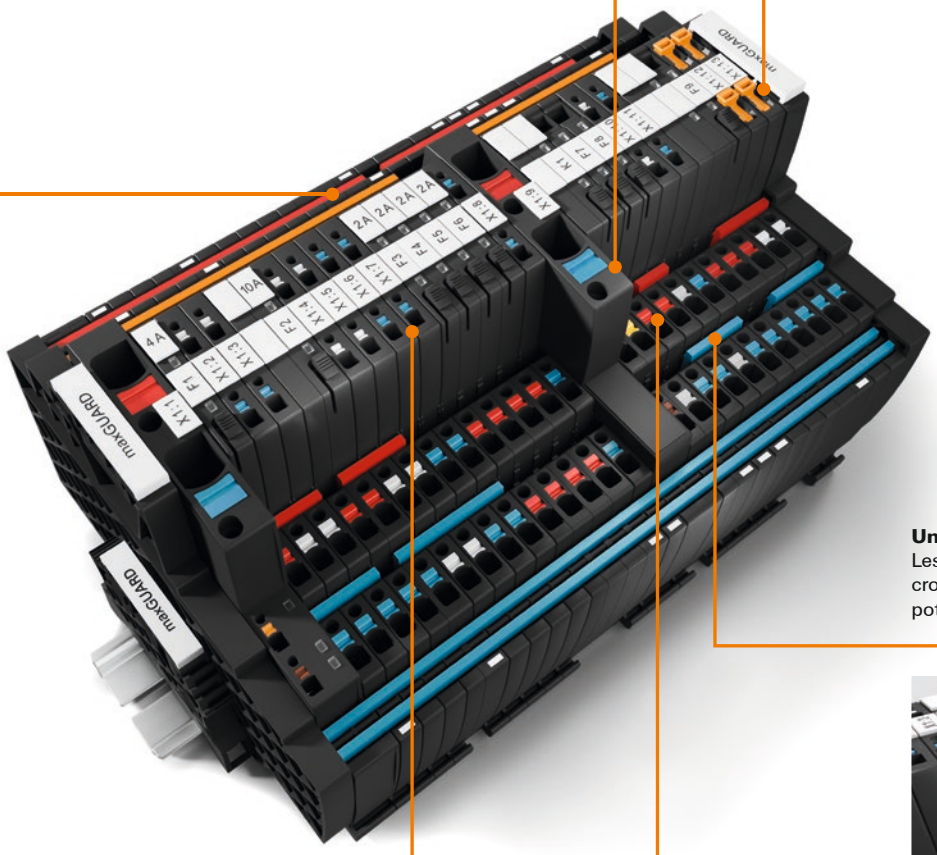
Integrated test point
Consistently integrated test points in the maxGUARD control voltage distribution's input and output speed up troubleshooting operations.



New approvals: Marine, Class 2, Ex

Practical disconnecting lever
Potential distributor with a disconnecting lever for simple galvanic isolation of the load circuit for testing and checking purposes.



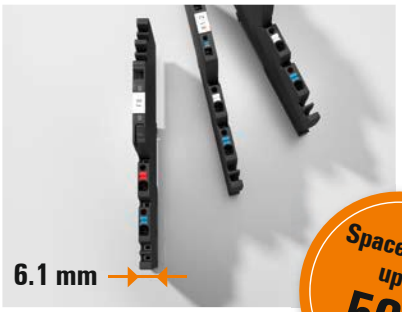


Unique cross-connectors
Less time and effort needed for wiring due to cross-connections between load monitoring and potential distribution terminals.



Time saving of up to 20 %

Particularly space-saving
Electronic load monitors and potential distributors with a 6.1 mm pitch.

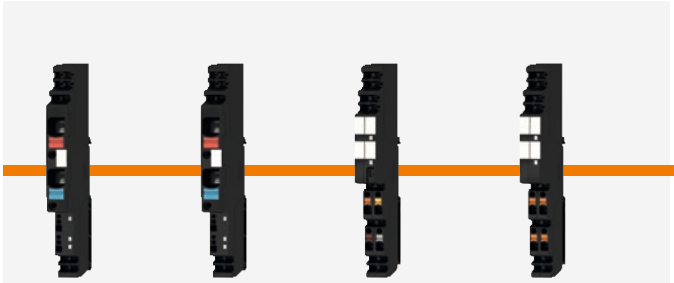


Space saving up to 50 %

Can be used in a customised way
The sheer range of variants and the very different potential distribution terminals and additional components enable customised solutions at all times.

maxGUARD – product overview
Flexible and modular design

Supply terminals, control and alarm modules



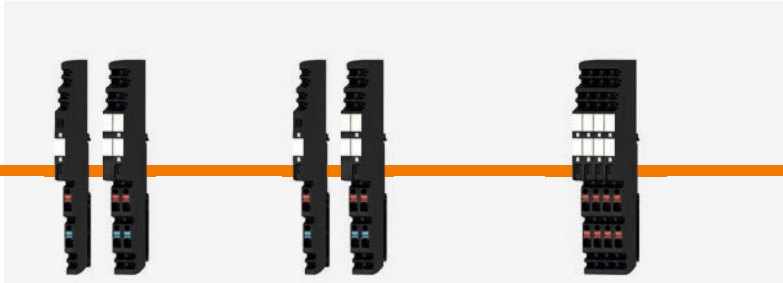
Supply terminal
16 mm²
Passive

Supply terminal
16 mm²
With alarm and reset function

Control module
Alarm
Reset
I>90 %
ON/OFF

Alarm module
Potential-free contacts for alarm
I>90 %

Electronic load monitoring



Fixed-value modules
1 / 2 / 4 / 6 A
6.1 mm housing
8 A / 10 A
12.2 mm housing

Adjustable modules
1 - 2 - 3 - 4 - 6 A
6.1 mm housing
4 - 6 - 8 - 10 - 12 A
12.2 mm housing

Load monitoring (4-channel)
2-2-2-2 A, 4-4-4-4 A
6-6-6-6 A, 2-2-4-4 A
2-2-6-6 A
Monitored individually
Negative potential thanks to use of AMG XMD potential distribution terminals
24.4 mm housing

Power-feed, control and alarm module

Alarm module with potential-free contacts for the "Alarm" and "I>90%" signals.
Control module with extended control function.
Passive or active power-feed module with reset and alarm function

Type	Order No.
AMG FIM-O	**2081870000**
AMG FIM-C	**2081880000**
AMG FIM-O EX	**2082530000**
AMG FIM-C EX	**2082540000**
AMG CM	**2081900000**
AMG CM EX	**2083360000**
AMG AM	**2081890000**
AMG AM CO	**2082770000**

Load monitoring (fixed value)

Electronic load monitoring with fixed current
(without I >90% function)

Type	Order No.
AMG ELM-1F	**2080420000**
AMG ELM-1F EX	**2082040000**
AMG ELM-2F	**2080480000**
AMG ELM-2F EX	**2082050000**
AMG ELM-4F	**2080490000**
AMG ELM-4F EX	**2082060000**
AMG ELM-6F	**2080500000**
AMG ELM-6F EX	**2082310000**
AMG ELM-8F	**2080600000**
AMG ELM-8F EX	**2082320000**
AMG ELM-10F	**2080650000**
AMG ELM-10F EX	**2082430000**

Load monitoring adjustable

Electronic load monitoring with adjustable triggering current and triggering characteristic
(with I >90% function)

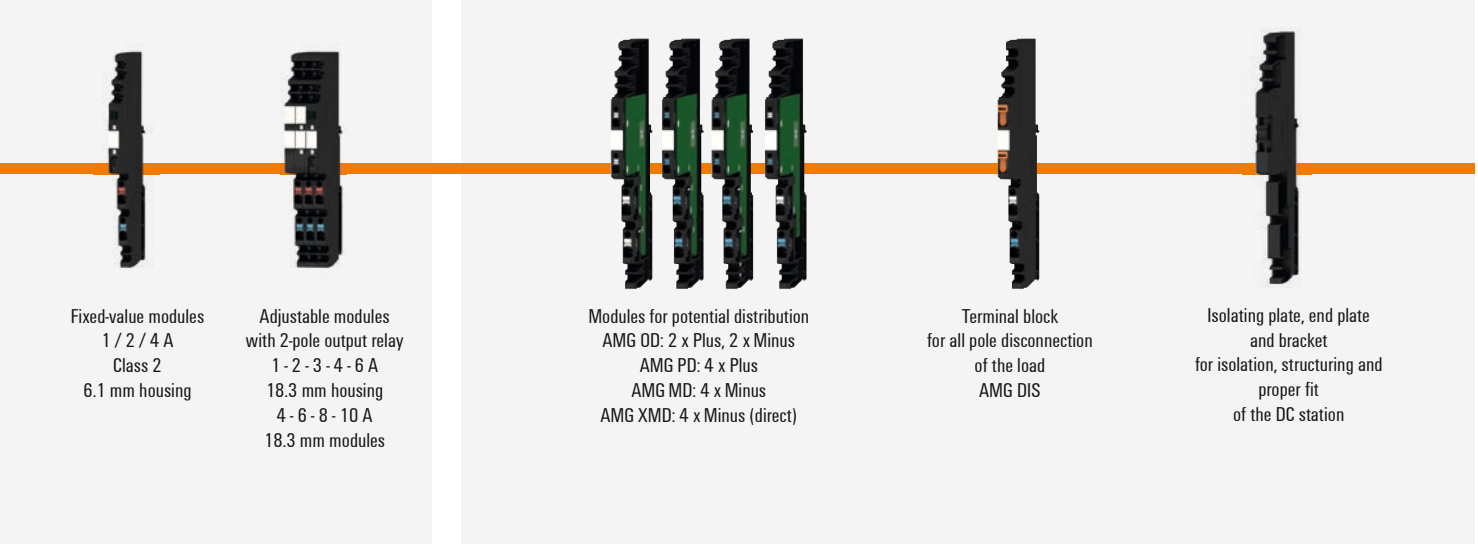
Type	Order No.
AMG ELM-6	**2080360000**
AMG ELM-6 EX	**2082000000**
AMG ELM-12	**2080410000**
AMG ELM-12 EX	**2082010000**

Load monitoring, 4 channels

4-channel electronic load monitoring with fixed triggering current
(without I >90% function)

Type	Order No.
AMG ELM-Q2222	**2080750000**
AMG ELM-Q2244	**2081650000**
AMG ELM-Q2266	**2081820000**
AMG ELM-Q4444	**2080880000**
AMG ELM-Q6666	**2080920000**

Potential distribution and accessories



Fixed-value modules
1 / 2 / 4 A
Class 2
6.1 mm housing

Adjustable modules
with 2-pole output relay
1 - 2 - 3 - 4 - 6 A
18.3 mm housing
4 - 6 - 8 - 10 A
18.3 mm modules

Modules for potential distribution
AMG OD: 2 x Plus, 2 x Minus
AMG PD: 4 x Plus
AMG MD: 4 x Minus
AMG XMD: 4 x Minus (direct)

Terminal block
for all pole disconnection
of the load
AMG DIS

Isolating plate, end plate
and bracket
for isolation, structuring and
proper fit
of the DC station

Load monitoring (fixed value)
Class 2

Electronic load monitoring with fixed rated current
(without I > 90 % pre warning)
Class 2 Approval

Type	Order No.
AMG ELM-1F CL2	**2491270000**
AMG ELM-2F CL2	**2491280000**
AMG ELM-4F CL2	**2491290000**

Load monitoring with relay

Electronic load monitoring with 2-pole output relay for allpole load disconnection; triggering current and triggering characteristic adjustable
(with I >90% function)

Type	Order No.
AMG ELM-6D CO	**2082440000**
AMG ELM-10D CO	**2082470000**

Potential distributor

Flexible application through various potential distributor.

Type	Order No.
AMG MD	**2122930000**
AMG MD EX	**2495040000**
AMG OD	**2122910000**
AMG OD EX	**2495090000**
AMG PD	**2122920000**
AMG PD EX	**2495070000**
AMG XMD	**2122940000**
AMG XMD EX	**2495080000**
AMG DIS	**2123050000**
AMG DIS EX	**2495100000**

End plate and Separation plate

End plate for mechanical stabilization.
Separation plate for logical subdivision.

Type	Order No.
AMG PP	**2123000000**
AMG EP	**2495380000**
AMG EP KIT	**2500760000**

Efficient implementation of testing and measurement switchgear

Safe and thorough with Klippon® Connect

In energy monitoring, incorrect wiring can destroy current and voltage transformers. Our specially developed test-disconnect terminal blocks, in various connection technologies, are a safe way of solving this problem. Simple operation ensures error-free, convenient wiring. This guarantees the protection of your transformers and measuring devices and ensures safe, precise work. Our integrated terminal blocks, in modular design for transformer switches, also save space in the panel.

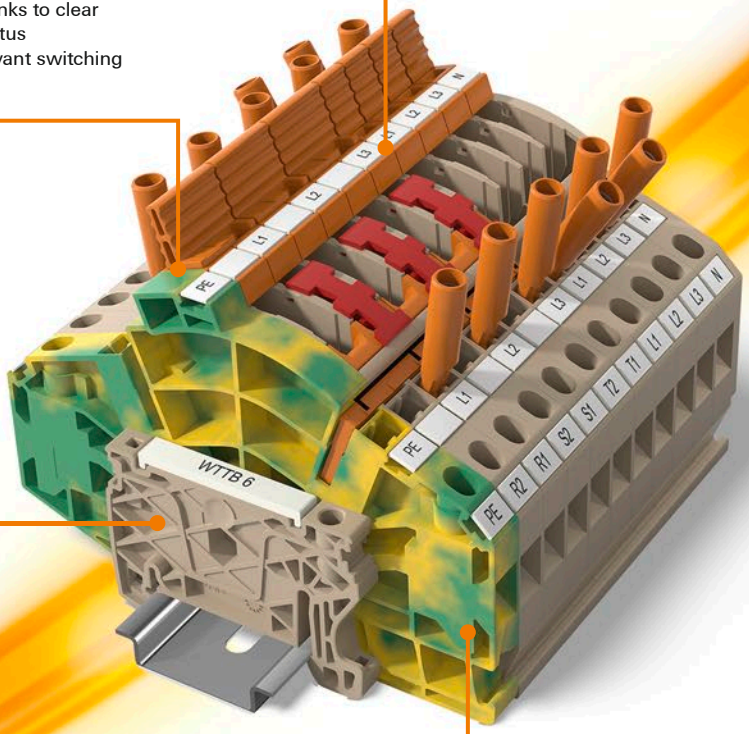
Our promise

The sophisticated features and proven connection technologies means Klippon® Connect solves testing and measurement issues more safely and efficient. Our extensive portfolio provides flexibility and productivity at all stages of the process.



Safety
- Highest possible protection of measuring instruments against destruction by avoiding incorrect wiring
- Safe protection of connected power converters thanks to integrated short-circuit contact
- Simple, safe operation thanks to clear identification of switch status
- Lockout to secure the relevant switching status

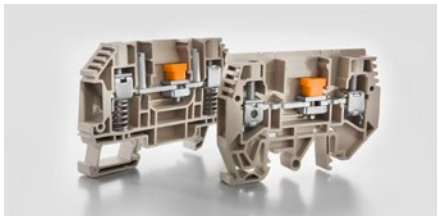
Space saving
- Modular setup of transformer switching thanks to test-disconnect terminal blocks
- Design of a simple current transformer test circuit with just two terminal blocks



Time saving
- Extensive range of accessories consisting of test adapters, cross-connections and markers
- PUSH IN technology for quick, safe wiring
- Make before breake function exclusive to the TTB family

Flexibility
- Reliable implementation of all standard transformer switching applications
- Specially developaed for all conceivable requirements

Our range



Simple operation to prevent errors:
With our test-disconnect terminal blocks, based on tested Weidmüller screw connection technology, connecting challenges can be resolved clearly and cost-effectively. The screws connecting the conductors are only accessible after the current transformer has been short-circuited using the short-circuit slider. This ensures safety as it prevents accidental short-circuiting or opening of the converter circuit.



Screwless and simple:
Our test-disconnect terminal blocks with PUSH IN and tension clamp technology are the ideal solution to establishing switching circuits for measurement tasks. The simple operating system with a spring connection and the clear identification of the switch status guarantee safe short-circuiting and disconnecting at all times.

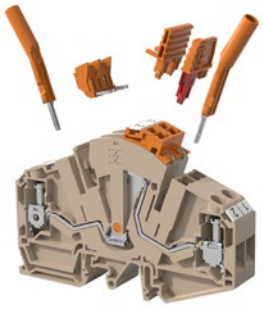
Klippon® Connect TTB Range for instrument transformer wiring

Ensuring safety of personnel and devices

In T&D applications, current and voltage transformers are mainly used for protection and measurement functions. Our new TTB range of Klippon® Connect instrument transformer terminal blocks have been designed to meet all the connection requirements of these two critical applications.

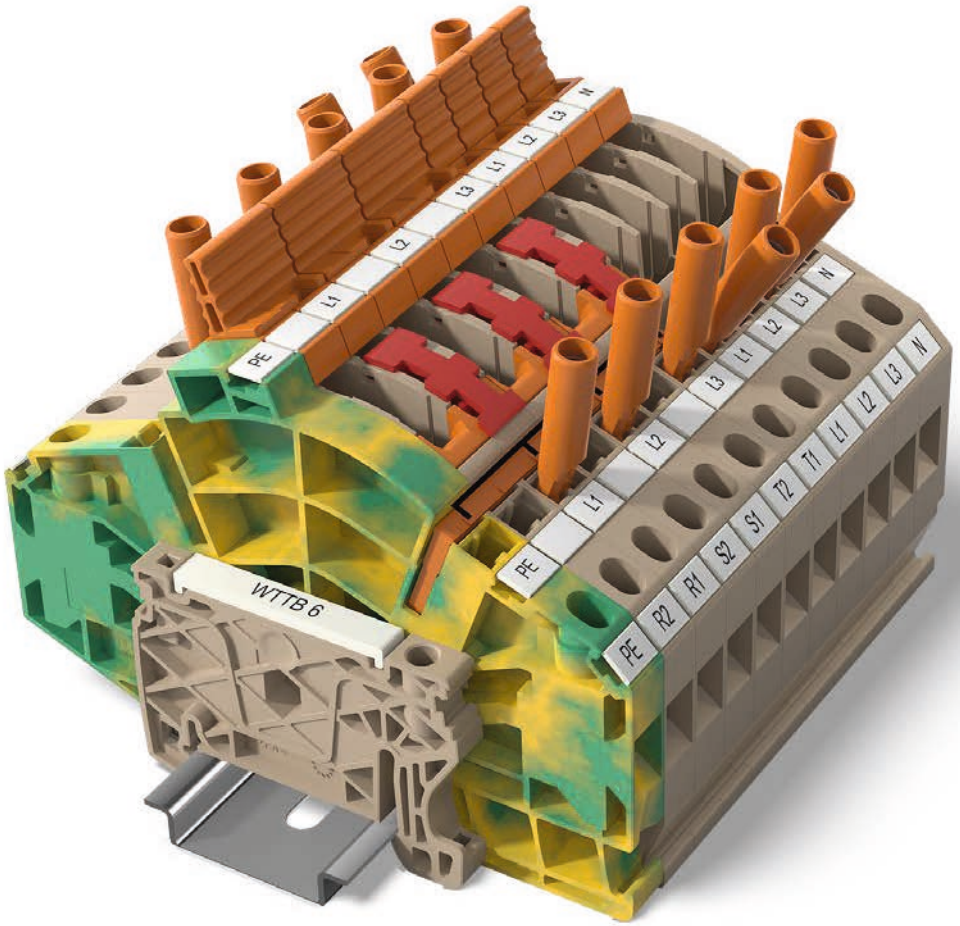
The wiring of current and voltage transformers can be carried out particularly easily and safely with the new terminal block series – even within complex circuits. The prevention of operating errors during operation increases plant availability and extends the life cycle of the entire control cabinet. Thus, the respective requirements of the end user are fulfilled to the highest degree.

Captive components
All function- and safety-relevant components are captively connected to the terminal block. This increases the reliability of the current and voltage transformer circuits during installation and maintenance work.



Data-supported accessory selection via WMC
The complete provision of data in the Weidmüller Configurator (WMC) enables a particularly simple selection of safety-critical accessories as well as safe and rational product configuration.

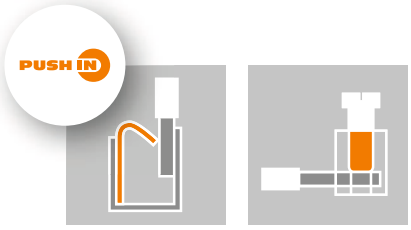




Unique lever mechanism
The unique lever mechanism is particularly user-friendly. It offers maximum contact reliability and can be optimally operated under all lighting conditions. The disconnect lever can be operated either manually or with a standard screwdriver. It a lso offers an easy possibility to implement multi-pole actuations.



Free choice of connection technology
The TTB range terminal blocks and their accessories are highly standardised. All features can be used regardless of the chosen connection solution – whether PUSH IN or screw connection.



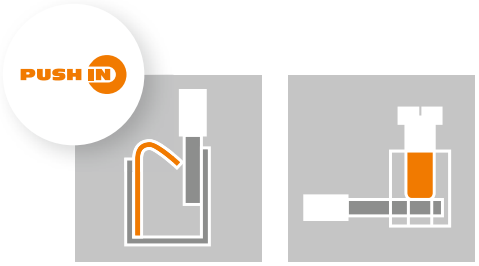
Unique features giving added value throughout the complete process

From planning through installation and operation

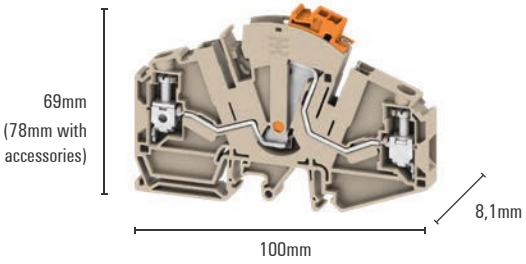
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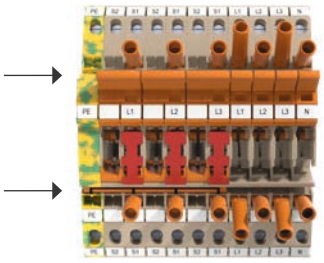


Maximum function density
The new transformer terminal blocks of the TTB range are particularly compact and offer an outstanding functional density compared to other solutions on the market.

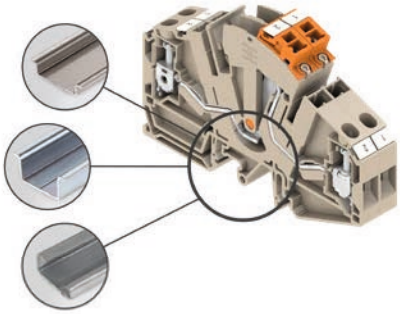


PE terminal with identical contour
The new TTB range includes a PE terminal block having the same contour. It can be connected to the current or voltage transformer terminal via standard cross-connections. This simplifies and accelerates the earthing of star points in the control cabinet.





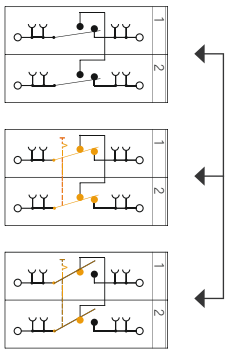
Dedicated cross-connection channel
A cross-connection channel, upstream and downstream the disconnect point, ensures maximum flexibility during installation. Neither the short-circuit function of current transformers nor the testing possibilities are limited. In this way, even more complex circuit requirements can be realised with the same standardised accessories.



Easy to install (for WTTB 6 and HTTB 6)
The integrated combi-foot simplifies flexible mounting on the common G32 and TH35 mounting rail profiles. The product replacement therefore can be carried out without the cost-intensive exchange of the mounting rails.



Unique lever mechanism
The unique lever mechanism is particularly user-friendly. It offers maximum contact reliability and can be optimally operated under all lighting conditions. The disconnect lever can be operated either manually or with a standard screwdriver. It also offers an easy possibility to implement multi-pole actuations.

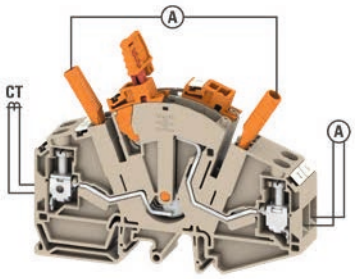


New forced short circuit functionality
The combination of isolating lever, short circuit bridge, and lever link in a single system guarantees that the secondary wiring of a current transformer is short-circuited before the longitudinal disconnection takes place. This „Make Before Break“ contact can be realised for up to four terminals.

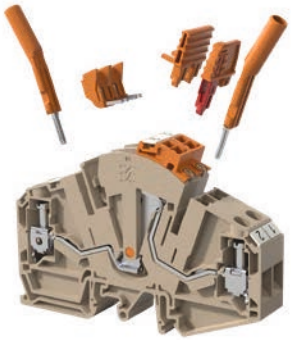
Unique features giving added value throughout the complete process

From planning through installation and operation

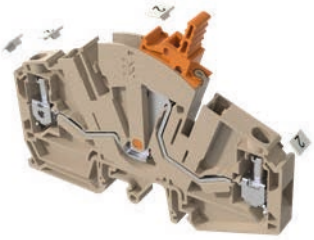
Reliable comparative measurement
A patented CM (Comparative Measurement) lever link allows two terminal blocks to be selectively separated to connect a calibrated measuring device. After the measurement, the captive lever is returned to its original position, with the „make before break" contact remaining active. This is a unique feature of the TTB range which guarantees maximum safety for personnel and asset preservation.



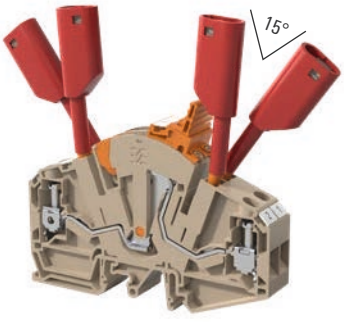
Captive components
All function- and safety-relevant components are captively connected to the terminal block. This increases the reliability of the current and voltage transformer circuits during installation and maintenance work.

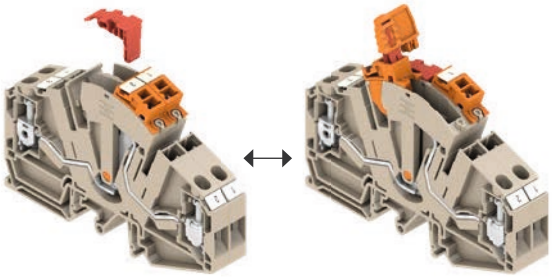


Clear marking
To identify circuits unambiguously is extremely important for safety. For this reason, the new instrument transformer terminal blocks have large marking areas which are clearly visible from any angle.

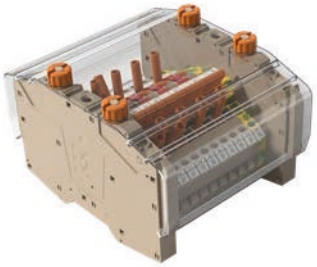


Angled test sockets
The angled test sockets enable the connection of 4.0 plugs in widths of up to 10 mm. Due to the alternating arrangement, all standard measurements can be done without fanning-out despite the reduced width of the terminal.





Reliable switch lock
The switch lock prevents the disconnect lever from being moved out of the set position. This avoids unauthorised opening and closing of circuits.



Enhanced safety cover hood system
The transparent cover hood system protects and seals the entire assembly. It is available either as a full-length profile or as an individual cover. It can only be fixed when all connection components are in their initial position. The assembly is optimally protected against unauthorised access without impairing visual inspection.



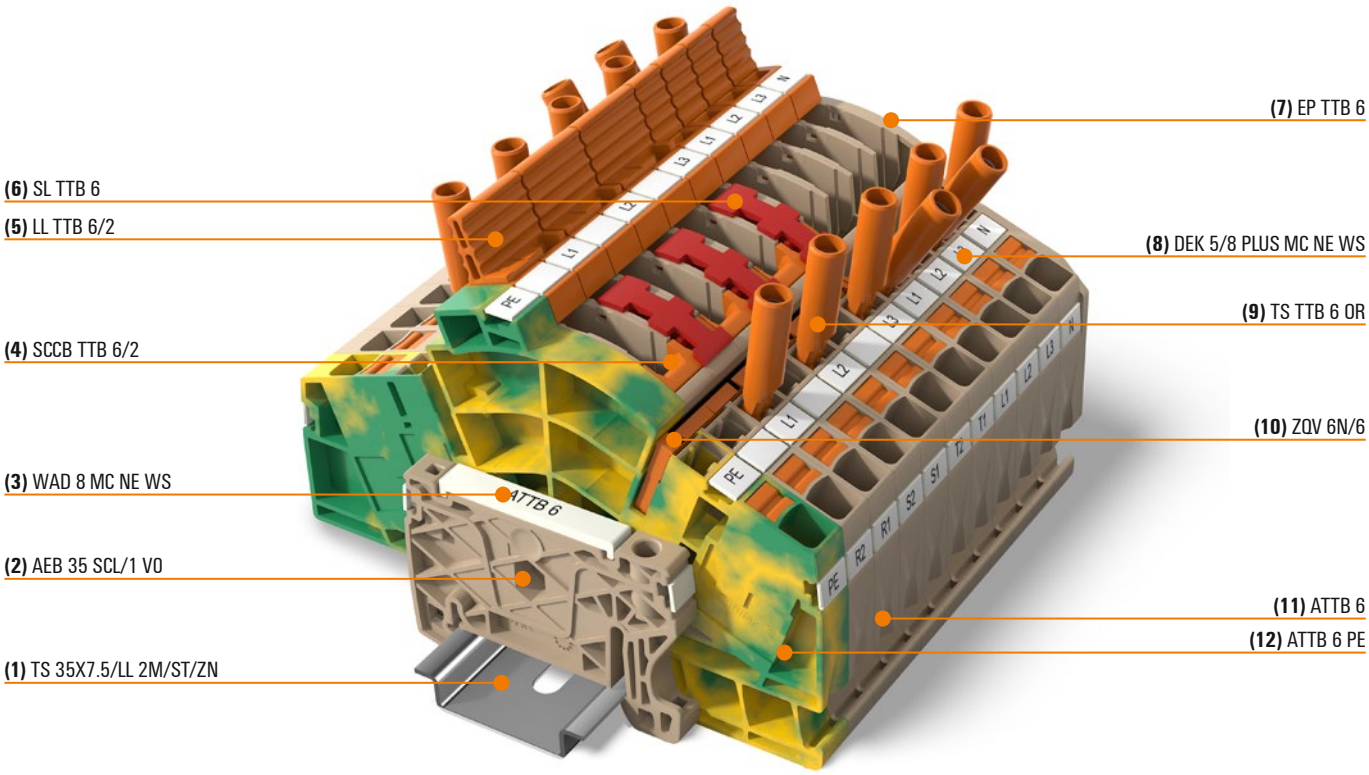
Distinct colour coding
In order to guarantee maximum safety in installation and maintenance, an extensive colour range is available for the requested colour-coding of terminals, accessories, test sockets and lever links.

IEC CB Scheme Certification
Klippon® Connect TTB range instrument transformer terminal blocks are certified by third party according to the requirements of IEC 60947-7-1 – Annex D Standard. Such certification grants the safe use of TTB range terminals throughout time and is a recognised qualified reference worldwide.

Instrument transformer wiring
TTB-Range – PUSH IN connection

Klippon® Connect ATTB Range with PUSH IN technology

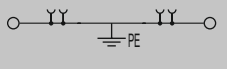
Technical details and order numbers



Overview of ordering data

Pos.	Description	Type	Dimensions	Color	Qty.	Order No.
1	Mounting rail	TS 35X7.5/LL 2M/ST/ZN	35 x 7.5 x 2000 mm	silver	2	**0514500000**
2	End bracket	AEB 35 SCL/1 VO	6 x 52.6 x 36.5 mm	dark beige*	50	**2661280000**
3	Group marker	WAD 5 MC NE WS	6 x 11.7 x 33.3 mm	white	48	**1112910000**
4	Short circuit bridge	SCCB TTB 6/2	16 x 13.5 x 14 mm	orange*	25	**2710190000**
	Short circuit bridge	SCCB TTB 6/3	24 x 13.5 x 14 mm	orange*	25	**2710200000**
	Short circuit bridge	SCCB TTB 6/4	32 x 13.5 x 14 mm	orange*	25	**2710210000**
5	Lever link	LL TTB 6/1	7.6 x 19.7 x 4 mm	orange*	50	**2710230000**
	Lever link	LL TTB 6/2	15.7 x 19.7 x 8.2 mm	orange*	50	**2710300000**
	Lever link	LL TTB 6/3	23.8 x 19.7 x 8.2 mm	orange	10	**2710440000**
	Lever link	LL TTB 6/4	31.9 x 19.7 x 8.2 mm	orange	10	**2710450000**
	Lever link	LL TTB 6/6	48.1 x 19.7 x 8.2 mm	orange	10	**2710460000**
	Lever link for comperative measurement	LL TTB 6/2 CM	15.9 x 25.1 x 4.2 mm	orange*	50	**2710370000**
	Lever link for comperative measurement	LL TTB 6/3 CM	24 x 25.1 x 4.2 mm	orange	10	**2726100000**
	Lever link for comperative measurement	LL TTB 6/4 CM	32 x 25.1 x 4.2 mm	orange	10	**2726110000**
6	Switch lock	SL TTB 6	8 x 15 x 20 mm	red	50	**2710220000**
7	Endplate	EP TTB 6	2.1 x 34 x 61 mm	dark beige	20	**2710170000**
8	Terminal block marker	DEK 5/8 PLUS MC NE WS	8 x 2 x 5 mm	weiß	800	**1046350000**
9	Test plug	TS TTB 6 OR	6.3 x 9.5 x 51.5 mm	orange*	48	**2710470000**
10	Cross-connection	ZQV 6N/6	46.1 x 3.1 x 34 mm	orange*	20	**2733950000**
	Cross-connection	ZQV 6N/7	54.2 x 3.1 x 34 mm	orange*	20	**2733960000**
	Cross-connection	ZQV 6N/10	78.5 x 3.1 x 34 mm	orange*	20	**2733970000**
11	Instrument transformer wiring terminal block	ATTB 6	8.1 x 69 x 100 mm	dark beige*	50	**2710090000**
12	Instrument transformer wiring terminal block PE	ATTB 6 PE	8.1 x 69 x 100 mm	green/yellow	50	**2710100000**

*** More colored version you will find inside our online catalogue**

	ATTB 6	6 mm²	ATTB 6 PE	6 mm²
				
Width/Height/Depth mm	8.1 x 100 x 68		8.1 x 100 x 68	
max. current / max. cond. cross-section A/mm²	**30 / 6**		**/ 6**	
Max. clamping range mm²	**0.5...6**		**0.5...6**	

Technical data

	ATTB 6	ATTB 6 PE
Rated data	IEC 60947-7-1	IEC 60947-7-2
	IEC / UL / CSA / EN 60079-7	**IEC / UL / CSA / EN 60079-7**
Rated voltage V	500	
Rated current A	30	
for wire cross-section mm²	6	6
Short-time withstand current resistance		
Rated impulse withstand voltage / Pollution severity	6 kV / 3	/ 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	A5 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
	Rated connection	**Rated connection**
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 0.8 x 4.0 mm	12 / 0.8 x 4.0 mm
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	ATTB 6	50	**2710070000**			
Green/yellow				ATTB 6 PE	50	**2710080000**
Note						

Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Short circuit bridge								
2-pole	SCCB TTB 6/2	30 A	25	**2710190000**	SCCB TTB 6/2	30 A	25	**2710190000**
3-pole	SCCB TTB 6/3	30 A	25	**2710200000**	SCCB TTB 6/3	30 A	25	**2710200000**
4-pole	SCCB TTB 6/4	30 A	25	**2710210000**	SCCB TTB 6/4	30 A	25	**2710210000**
Cross-connector								
6-pole	ZQV 6N/6	41 A	20	**2733950000**	ZQV 6N/6	41 A	20	**2733950000**
7-pole	ZQV 6N/7	41 A	20	**2733960000**	ZQV 6N/7	41 A	20	**2733960000**
10-pole	ZQV 6N/10	41 A	20	**2733970000**	ZQV 6N/10	41 A	20	**2733970000**
End plate								
dark beige	EP TTB 6		20	**2710170000**	EP TTB 6		20	**2710170000**
Lever link								
1-pole	LL TTB 6/1		50	**2710230000**	LL TTB 6/1		50	**2710230000**
2-pole	LL TTB 6/2		50	**2710300000**	LL TTB 6/2		50	**2710300000**
for comparative measurement 2-pole	LL TTB 6/2 CM		50	**2710370000**	LL TTB 6/2 CM		50	**2710370000**
Test plug								
orange	TS TTB 6 OR		48	**2710470000**	TS TTB 6 OR		48	**2710470000**
blue	TS TTB 6 BL		48	**2710480000**	TS TTB 6 BL		48	**2710480000**
green	TS TTB 6 GN		48	**2710490000**	TS TTB 6 GN		48	**2710490000**
yellow	TS TTB 6 YL		48	**2710500000**	TS TTB 6 YL		48	**2710500000**
Black	TS TTB 6 BK		48	**2710520000**	TS TTB 6 BK		48	**2710520000**
violet	TS TTB 6 VT		48	**2710530000**	TS TTB 6 VT		48	**2710530000**
Switch Lock								
	SL TTB 6		50	**2710220000**	SL TTB 6		50	**2710220000**
Cover								
Textile cover	CH TTB		1	**2710130000**	CH TTB		1	**2710130000**
Cover profile	CP TTB		1	**2710140000**	CP TTB		1	**2710140000**
Cover support	CS TTB		10	**2710150000**	CS TTB		10	**2710150000**
Marking tags								
	DEK 5/8 PLUS MC NE WS		800	**1046350000**	DEK 5/8 PLUS MC NE WS		800	**1046350000**

For detailed information on other accessories and application in the online catalogue

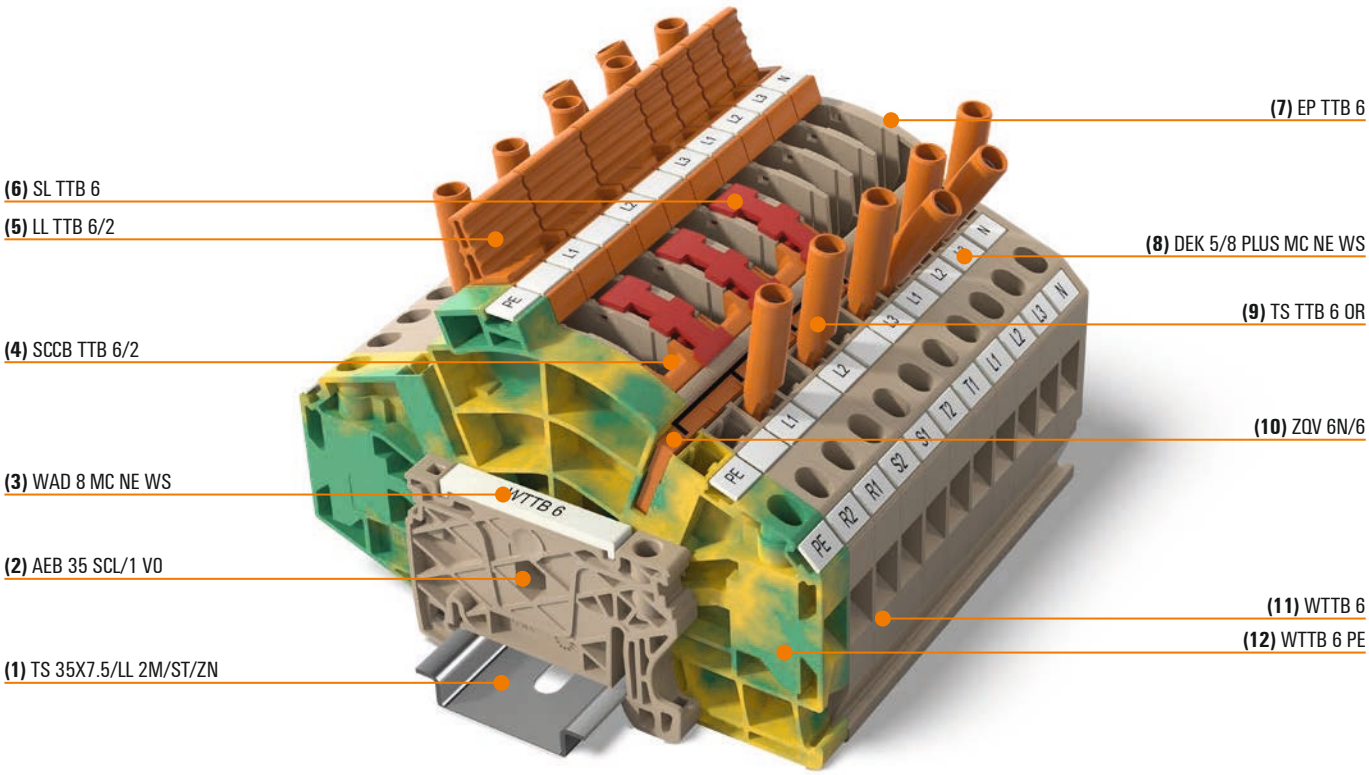
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Instrument transformer wiring
TTB-Range – Screw connection

Klippon® Connect TTB Range

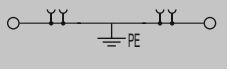
Technical details and order numbers



Overview of ordering data

Pos.	Description	Type	Dimensions	Color	Qty.	Order No.
1	Mounting rail	TS 35X7.5/LL 2M/ST/ZN	35 x 7.5 x 2000 mm	silver	2	**0514500000**
2	End bracket	AEB 35 SCL/1 V0	6 x 52.6 x 36.5 mm	dark beige*	50	**2661280000**
3	Group marker	WAD 5 MC NE WS	6 x 11.7 x 33.3 mm	white	48	**1112910000**
4	Short circuit bridge	SCCB TTB 6/2	16 x 13.5 x 14 mm	orange*	25	**2710190000**
	Short circuit bridge	SCCB TTB 6/3	24 x 13.5 x 14 mm	orange*	25	**2710200000**
	Short circuit bridge	SCCB TTB 6/4	32 x 13.5 x 14 mm	orange*	25	**2710210000**
5	Lever link	LL TTB 6/1	7.6 x 19.7 x 4 mm	orange*	50	**2710230000**
	Lever link	LL TTB 6/2	15.7 x 19.7 x 8.2 mm	orange*	50	**2710300000**
	Lever link	LL TTB 6/3	23.8 x 19.7 x 8.2 mm	orange	10	**2710440000**
	Lever link	LL TTB 6/4	31.9 x 19.7 x 8.2 mm	orange	10	**2710450000**
	Lever link	LL TTB 6/6	48.1 x 19.7 x 8.2 mm	orange	10	**2710460000**
	Lever link for comperative measurement	LL TTB 6/2 CM	15.9 x 25.1 x 4.2 mm	orange*	50	**2710370000**
	Lever link for comperative measurement	LL TTB 6/3 CM	24 x 25.1 x 4.2 mm	orange	10	**2726100000**
	Lever link for comperative measurement	LL TTB 6/4 CM	32 x 25.1 x 4.2 mm	orange	10	**2726110000**
6	Switch lock	SL TTB 6	8 x 15 x 20 mm	red	50	**2710220000**
7	Endplate	EP TTB 6	2.1 x 34 x 61 mm	dark beige	20	**2710170000**
8	Terminal block marker	DEK 5/8 PLUS MC NE WS	8 x 2 x 5 mm	weiß	800	**1046350000**
9	Test plug	TS TTB 6 OR	6.3 x 9.5 x 51.5 mm	orange*	48	**2710470000**
10	Cross-connection	ZQV 6N/6	46.1 x 3.1 x 34 mm	orange*	20	**2733950000**
	Cross-connection	ZQV 6N/7	54.2 x 3.1 x 34 mm	orange*	20	**2733960000**
	Cross-connection	ZQV 6N/10	78.5 x 3.1 x 34 mm	orange*	20	**2733970000**
11	Instrument transformer wiring terminal block	WTTB 6	8.1 x 69 x 100 mm	dark beige*	50	**2710090000**
12	Instrument transformer wiring terminal block PE	WTTB 6 PE	8.1 x 69 x 100 mm	green/yellow	50	**2710100000**

*** More colored version you will find inside our online catalogue**

	WTTB 6	6 mm²	WTTB 6 PE	6 mm²
				
Width/Height/Depth mm	8.1 x 100 x 69		8.1 x 100 x 69	
max. current / max. cond. cross-section A/mm²	**30 / 10**		**/ 10**	
Max. clamping range mm²	**0.5...10**		**0.5...10**	

Technical data

	WTTB 6				WTTB 6 PE			
Rated data	IEC 60947-7-1				IEC 60947-7-2			
	IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage V	500	300						
Rated current A	30	30						
for wire cross-section mm²	6	AWG 22...8			6	AWG 22...8		
Short-time withstand current resistance								
Rated impulse withstand voltage / Pollution severity			6 kV / 3				6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0				A4 / V-0	
Approvals								
Clamped conductors (H05V/H07V)								
	Rated connection				**Rated connection**			
Solid / Stranded mm²	0.5...10 / 0.5...10				0.5...10 / 0.5...6			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6				0.5...10 / 0.5...6			
Tightening torque Nm	0.8...1.6				0.8...1.6			
Stripping length / Blade size mm/-	12 / 0.8 x 4.0 mm				12 / 0.8 x 4.0 mm			
Note								

Ordering data

Version	WTTB 6 Type	Qty.	Order No.	WTTB 6 PE Type	Qty.	Order No.
dark beige	WTTB 6	50	**2710090000**			
Green/yellow				WTTB 6 PE	50	**2710100000**
Note						

Accessories

	WTTB 6 Type		Qty.	Order No.	WTTB 6 PE Type		Qty.	Order No.
Short circuit bridge								
2-pole	SCCB TTB 6/2	30 A	25	**2710190000**	SCCB TTB 6/2	30 A	25	**2710190000**
3-pole	SCCB TTB 6/3	30 A	25	**2710200000**	SCCB TTB 6/3	30 A	25	**2710200000**
4-pole	SCCB TTB 6/4	30 A	25	**2710210000**	SCCB TTB 6/4	30 A	25	**2710210000**
Cross-connector								
6-pole	ZQV 6N/6	41 A	20	**2733950000**	ZQV 6N/6	41 A	20	**2733950000**
7-pole	ZQV 6N/7	41 A	20	**2733960000**	ZQV 6N/7	41 A	20	**2733960000**
10-pole	ZQV 6N/10	41 A	20	**2733970000**	ZQV 6N/10	41 A	20	**2733970000**
End plate								
dark beige	EP TTB 6		20	**2710170000**	EP TTB 6		20	**2710170000**
Lever link								
1-pole	LL TTB 6/1		50	**2710230000**	LL TTB 6/1		50	**2710230000**
2-pole	LL TTB 6/2		50	**2710300000**	LL TTB 6/2		50	**2710300000**
for comparative measurement 2-pole	LL TTB 6/2 CM		50	**2710370000**	LL TTB 6/2 CM		50	**2710370000**
Test plug								
orange	TS TTB 6 OR		48	**2710470000**	TS TTB 6 OR		48	**2710470000**
blue	TS TTB 6 BL		48	**2710480000**	TS TTB 6 BL		48	**2710480000**
green	TS TTB 6 GN		48	**2710490000**	TS TTB 6 GN		48	**2710490000**
yellow	TS TTB 6 YL		48	**2710500000**	TS TTB 6 YL		48	**2710500000**
Black	TS TTB 6 BK		48	**2710520000**	TS TTB 6 BK		48	**2710520000**
violet	TS TTB 6 VT		48	**2710530000**	TS TTB 6 VT		48	**2710530000**
Switch Lock								
	SL TTB 6		50	**2710220000**	SL TTB 6		50	**2710220000**
Cover								
Textile cover	CH TTB		1	**2710130000**	CH TTB		1	**2710130000**
Cover profile	CP TTB		1	**2710140000**	CP TTB		1	**2710140000**
Cover support	CS TTB		10	**2710150000**	CS TTB		10	**2710150000**
Marking tags								
	DEK 5/8 PLUS MC NE WS		800	**1046350000**	DEK 5/8 PLUS MC NE WS		800	**1046350000**

For detailed information on other accessories and application in the online catalogue

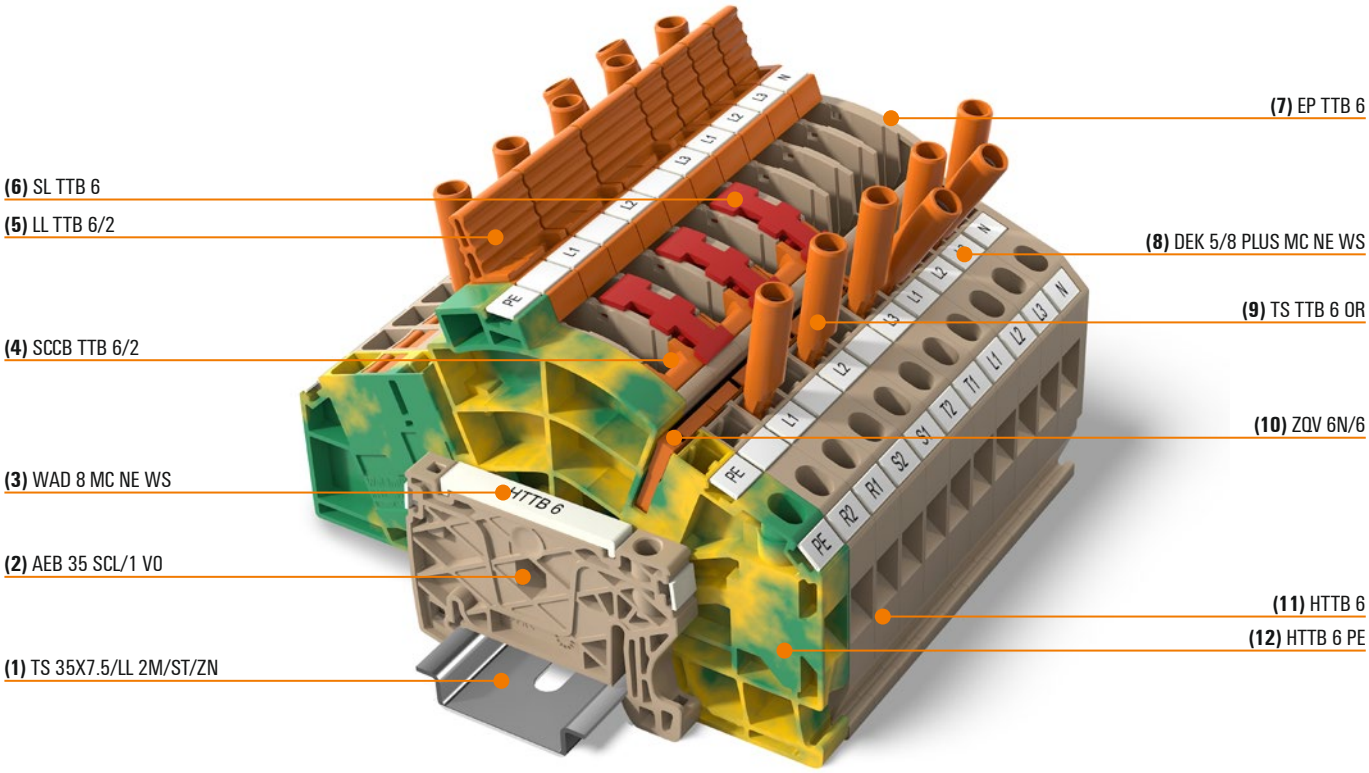
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Instrument transformer wiring
TTB Range – Hybrid connection

Klippon® Connect HTTB Range with hybrid screw/PUSH IN technology

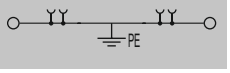
Technical details and order numbers



Overview of ordering data

Pos.	Description	Type	Dimensions	Color	Qty.	Order No.
1	Mounting rail	TS 35X7.5/LL 2M/ST/ZN	35 x 7.5 x 2000 mm	silver	2	**0514500000**
2	End bracket	AEB 35 SCL/1 V0	6 x 52.6 x 36.5 mm	dark beige*	50	**2661280000**
3	Group marker	WAD 5 MC NE WS	6 x 11.7 x 33.3 mm	white	48	**1112910000**
4	Short circuit bridge	SCCB TTB 6/2	16 x 13.5 x 14 mm	orange*	25	**2710190000**
	Short circuit bridge	SCCB TTB 6/3	24 x 13.5 x 14 mm	orange*	25	**2710200000**
	Short circuit bridge	SCCB TTB 6/4	32 x 13.5 x 14 mm	orange*	25	**2710210000**
5	Lever link	LL TTB 6/1	7.6 x 19.7 x 4 mm	orange*	50	**2710230000**
	Lever link	LL TTB 6/2	15.7 x 19.7 x 8.2 mm	orange*	50	**2710300000**
	Lever link	LL TTB 6/3	23.8 x 19.7 x 8.2 mm	orange	10	**2710440000**
	Lever link	LL TTB 6/4	31.9 x 19.7 x 8.2 mm	orange	10	**2710450000**
	Lever link	LL TTB 6/6	48.1 x 19.7 x 8.2 mm	orange	10	**2710460000**
	Lever link for comperative measurement	LL TTB 6/2 CM	15.9 x 25.1 x 4.2 mm	orange*	50	**2710370000**
	Lever link for comperative measurement	LL TTB 6/3 CM	24 x 25.1 x 4.2 mm	orange	10	**2726100000**
	Lever link for comperative measurement	LL TTB 6/4 CM	32 x 25.1 x 4.2 mm	orange	10	**2726110000**
6	Switch lock	SL TTB 6	8 x 15 x 20 mm	red	50	**2710220000**
7	Endplate	EP TTB 6	2.1 x 34 x 61 mm	dark beige	20	**2710170000**
8	Terminal block marker	DEK 5/8 PLUS MC NE WS	8 x 2 x 5 mm	weiß	800	**1046350000**
9	Test plug	TS TTB 6 OR	6.3 x 9.5 x 51.5 mm	orange*	48	**2710470000**
10	Cross-connection	ZQV 6N/6	46.1 x 3.1 x 34 mm	orange*	20	**2733950000**
	Cross-connection	ZQV 6N/7	54.2 x 3.1 x 34 mm	orange*	20	**2733960000**
	Cross-connection	ZQV 6N/10	78.5 x 3.1 x 34 mm	orange*	20	**2733970000**
11	Instrument transformer wiring terminal block	HTTB 6	8.1 x 69 x 100 mm	dark beige*	50	**2710110000**
12	Instrument transformer wiring terminal block PE	HTTB 6 PE	8.1 x 69 x 100 mm	green/yellow	50	**2710120000**

*** More colored version you will find inside our online catalogue**

	HTTB 6	6 mm²	HTTB 6 PE	6 mm²
				
Width/Height/Depth mm	8.1 x 100 x 68		8.1 x 100 x 68	
max. current / max. cond. cross-section A/mm²	**30 / 10**		**/ 10**	
Max. clamping range mm²	**0.5...10**		**0.5...10**	

Technical data

Rated data		IEC 60947-7-1				
		IEC	**UL**	**CSA**	**EN 60079-7**	
Rated voltage	V	500				
Rated current	A	30				
for wire cross-section	mm²	6				
Short-time withstand current resistance						
Rated impulse withstand voltage / Pollution severity				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A4 / V-0		
Approvals						
Clamped conductors (H05V/H07V)		**Rated connection**				
Solid / Stranded	mm²	0.5...10 / 0.5...10				
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6				
Tightening torque	Nm	0.8...1.6				
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm				
Note						

Rated data		IEC 60947-7-2				
		IEC	**UL**	**CSA**	**EN 60079-7**	
Rated voltage	V					
Rated current	A					
for wire cross-section	mm²	6				
Short-time withstand current resistance						
Rated impulse withstand voltage / Pollution severity				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A4 / V-0		
Approvals						
Clamped conductors (H05V/H07V)		**Rated connection**				
Solid / Stranded	mm²	0.5...10 / 0.5...10				
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6				
Tightening torque	Nm	0.8...1.6				
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm				
Note						

Ordering data

Version	**Type**	**Qty.**	**Order No.**	
dark beige	HTTB 6	50	**2710110000**	
Green/yellow				
Note				

Type		**Qty.**	**Order No.**
HTTB 6 PE		50	**2710120000**

Accessories

Short circuit bridge	**Type**		**Qty.**	**Order No.**	**Type**	
2-pole	SCCB TTB 6/2	30 A	25	**2710190000**	SCCB TTB 6/2	30 A
3-pole	SCCB TTB 6/3	30 A	25	**2710200000**	SCCB TTB 6/3	30 A
4-pole	SCCB TTB 6/4	30 A	25	**2710210000**	SCCB TTB 6/4	30 A
Cross-connector						
6-pole	ZQV 6N/6	41 A	20	**2733950000**	ZQV 6N/6	41 A
7-pole	ZQV 6N/7	41 A	20	**2733960000**	ZQV 6N/7	41 A
10-pole	ZQV 6N/10	41 A	20	**2733970000**	ZQV 6N/10	41 A
End plate						
dark beige	EP TTB 6		20	**2710170000**	EP TTB 6	
Lever link						
1-pole	LL TTB 6/1		50	**2710230000**	LL TTB 6/1	
2-pole	LL TTB 6/2		50	**2710300000**	LL TTB 6/2	
for comparative measurement 2-pole	LL TTB 6/2 CM		50	**2710370000**	LL TTB 6/2 CM	
Test plug						
orange	TS TTB 6 OR		48	**2710470000**	TS TTB 6 OR	
blue	TS TTB 6 BL		48	**2710480000**	TS TTB 6 BL	
green	TS TTB 6 GN		48	**2710490000**	TS TTB 6 GN	
yellow	TS TTB 6 YL		48	**2710500000**	TS TTB 6 YL	
Black	TS TTB 6 BK		48	**2710520000**	TS TTB 6 BK	
violet	TS TTB 6 VT		48	**2710530000**	TS TTB 6 VT	
Switch Lock						
	SL TTB 6		50	**2710220000**	SL TTB 6	
Cover						
Textile cover	CH TTB		1	**2710130000**	CH TTB	
Cover profile	CP TTB		1	**2710140000**	CP TTB	
Cover support	CS TTB		10	**2710150000**	CS TTB	
Marking tags						
	DEK 5/8 PLUS MC NE WS		800	**1046350000**	DEK 5/8 PLUS MC NE WS	

Qty.	**Order No.**		
30 A	25	**2710190000**	
30 A	25	**2710200000**	
30 A	25	**2710210000**	
41 A	20	**2733950000**	
41 A	20	**2733960000**	
41 A	20	**2733970000**	
20	**2710170000**		
50	**2710230000**		
50	**2710300000**		
50	**2710370000**		
48	**2710470000**		
48	**2710480000**		
48	**2710490000**		
48	**2710500000**		
48	**2710520000**		
48	**2710530000**		
50	**2710220000**		
1	**2710130000**		
1	**2710140000**		
10	**2710150000**		
800	**1046350000**		

For detailed information on other accessories and application in the online catalogue

More colours at catalog.weidmueller.com

More colours at catalog.weidmueller.com

Accessories for test-disconnect terminal TTB 6

Short circuit bridge

The short circuit bridge can be simply and quickly inserted into the terminal blocks. If several levers are connected simultaneously with the lever connector, the make before break can be realised. Once mounted, the short circuit bridge cannot be removed from the application.





SCCB TTB 6



Type	Qty.	Order No.
SCCB TTB 6/2	25	2710190000
SCCB TTB 6/3	25	2710200000
SCCB TTB 6/4	25	2710210000

Lever link

The lever link mechanically locks the connected disconnect levers of the terminal blocks. Switching the lever link together with the inserted short circuit bridge allows make before break functionality inside the application. Once mounted, the lever link cannot be removed from the application.





LL TTB 6



Type	Qty.	Order No.
LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/3	50	2710440000
LL TTB 6/4	25	2710450000
LL TTB 6/6	10	2710460000
More colours at catalog.weidmueller.com		

Comparative measurement lever link

The LL TTB 6 CM enables safe and fast comparative measurement. After lifting the LL TTB 6 CM, the two levers of the terminal blocks are mechanically separated from each other and can be switched independently. Once mounted, the lever link cannot be removed from the application.





LL TTB 6 CM



Type	Qty.	Order No.
LL TTB 6/2 CM	50	2710370000
LL TTB 6/3 CM	50	2726100000
LL TTB 6/4 CM	50	2726110000
More colours at catalog.weidmueller.com		

Test socket

The test socket is used to connect test devices with a standard 4.0 plug with widths up to 10 mm into the terminal. Test sockets are arranged at an angle, therefore all standard measurements (even adjoining) can be realised within the terminal width of 8.1 mm. Once mounted, the test socket cannot be removed from the application.





TS TTB 6



Type	Qty.	Order No.
TS TTB 6 OR	48	2710470000
TS TTB 6 BL	48	2710480000
TS TTB 6 YL	48	2710500000
TS TTB 6 GN	48	2710490000
TS TTB 6 VT	48	2710530000
More colours at catalog.weidmueller.com		

Cross-connection

The cross-connection enables potential multiplication or the realisation of a star connection within the application.





ZQV 6N/...



Type	Qty.	Order No.
ZQV 6N/4	60	1985780000
ZQV 6N/6	20	2733950000
ZQV 6N/7	20	2733960000
ZQV 6N/10	20	2733970000

Contour-like PE terminal block

A PE terminal block with identical contour is a very useful component in a test-disconnect terminal block system, since it allows easy and safe realisation of star connection / reference points within the application.





TTB 6 PE



Type	Qty.	Order No.
ATTB 6 PE	50	2710080000
WTTB 6 PE	50	2710100000
HTTB 6 PE	50	2710120000

Switch lock

The switch lock can be easily inserted into the terminal from above. The switch lock prevents unauthorised opening or closing of circuits as they block the disconnect lever in its respective position.





SL TTB 6

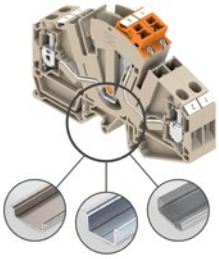


Type	Qty.	Order No.
SL TTB 6	50	2710220000

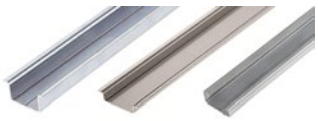
Combi-foot (for WTTB 6 and HTTB 6)

Integrated combi-foot allows easy and quick mounting onto all available TH 35 and G32 rails, thus allowing cost and time effective panel retrofit.





TS35 x ... / TS32 x ...



Type	Qty.	Order No.
TS 35X15/LL 2M/ST/ZN	2	0236500000
TS 32X15 2M/ST/ZN	2	0122800000
TS 35X7.5/LL 2M/ST/ZN	2	0514500000

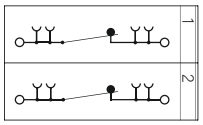
Application examples

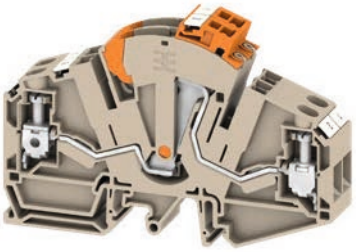
Changing a Protection/Metering device



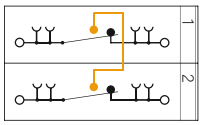
Planning and installation: Equipping the terminal blocks with accessories

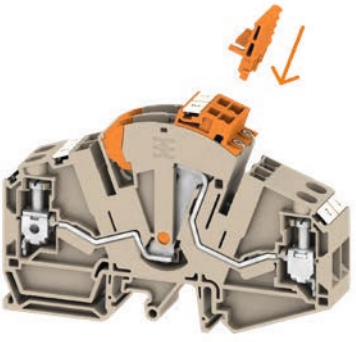
1. SCCB TTB 6 short circuit bridge installation in progress
The short circuit bridge is inserted quickly and easily on the transformer side of the terminal block in it´s deidcated channel. Once mounted, the short circuit bridge cannot be removed from the application.



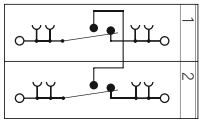


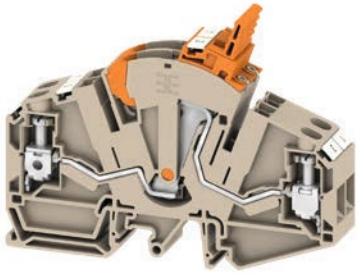
2. SCCB TTB 6 short circuit bridge installation completed
When inserted, depending on the position of the disconnect lever, an electrical connection (short circuit) between the two terminal blocks can be realised.



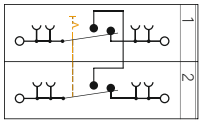


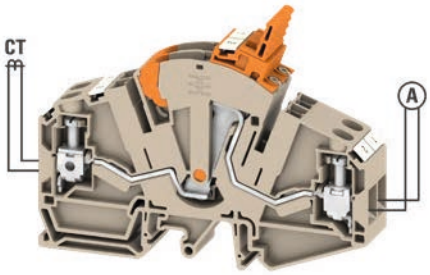
3. LL TTB 6 lever link installation in progress
The lever link is plugged into the housings of the disconnect lever of the respective terminal blocks from above and creates a mechanical connection between them. Once mounted, the lever link cannot be removed from the application.





4. LL TTB 6 lever link installation completed
The mechanical connection between the lever mechanisms allows simultaneous opening or closing of two or more disconnect levers.

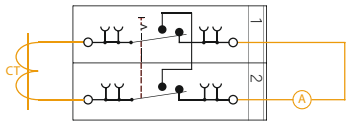


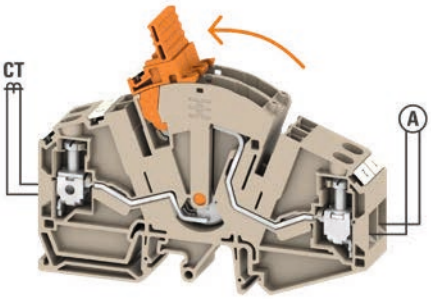


Installation: Wiring transformer and ammeter wiring

Wiring of current transformer and ammeter

The transformer will be connected in the clamping units usptream the disconnect lever and the ammeter will be connected in the clamping units downstream the disconnect lever.

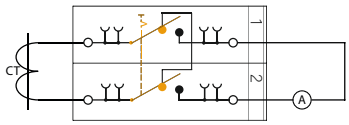


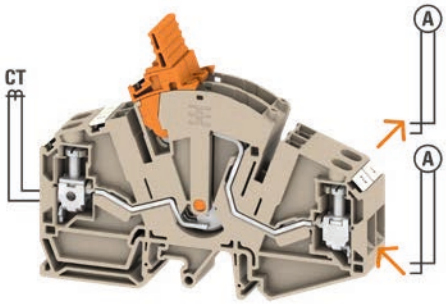


Operation: Changing an ammeter

1. Switching the lever link

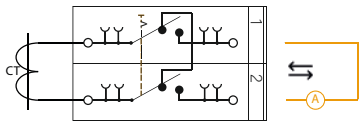
Switching the lever link causes an automatic short circuit (make before break mechanism) on the secondary wiring of the current transformer. This prevents the voltage on the current transformer from surging and protects it from damage leading to its destruction.

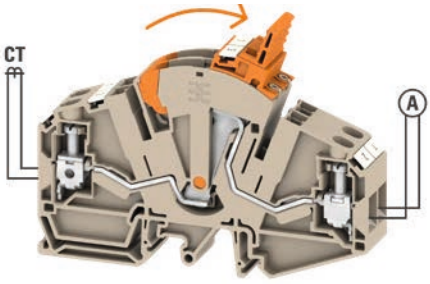




2. Replacing the ammeter

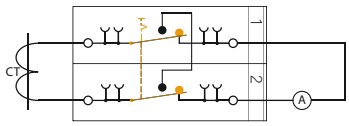
After short-circuiting the current transformer side and simultaneously disconnecting the circuit through the lever switching, the ammeter can be replaced easily and safely.





3. Restoring the lever link back into original position

Switching backwards the lever, restores the entire arrangement into its original status. The transition from the automatic short circuit back to the initial position is realised smoothly and safely.



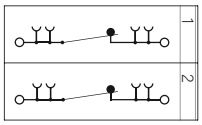
Application examples

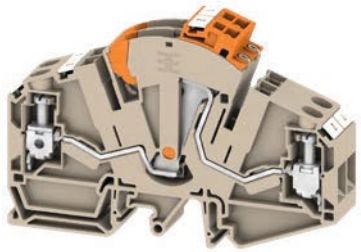
Performing a comparative measurement



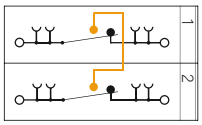
Planning and installation: Equipping the terminal blocks with accessories

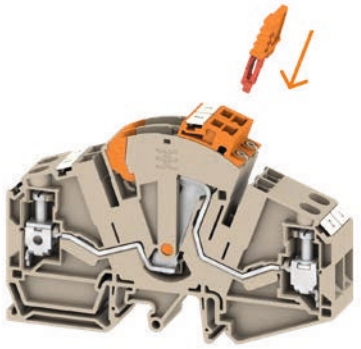
1. SCCB TTB 6 short circuit bridge installation in progress
The short circuit bridge is inserted quickly and easily on the transformer side of the terminal block in it´s deidcated channel. Once mounted, the short circuit bridge cannot be removed from the application.



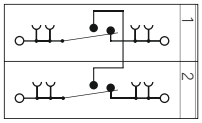


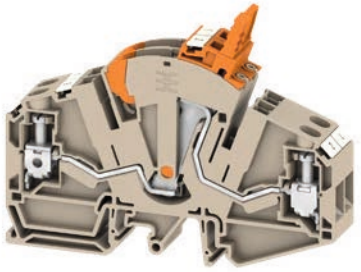
2. SCCB TTB 6 short circuit bridge installation completed
When inserted, depending on the position of the disconnect lever, an electrical connection (short circuit) between the two terminal blocks can be realised.



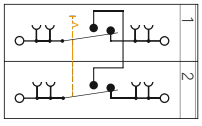


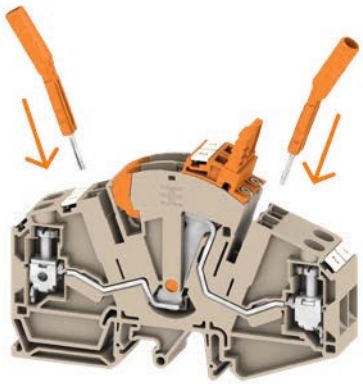
3. LL TTB 6 CM lever link installation in progress
The CM lever link (having long, asymmetrical, red coloured foot) is plugged into the housings of the disconnect lever of the respective terminal blocks from above and creates a mechanical connection between them. Once mounted, the lever link cannot be removed from the application.



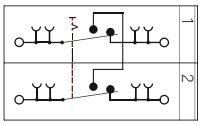


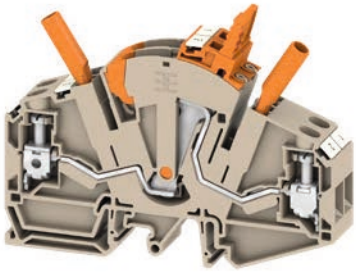
4. LL TTB 6 CM lever link installation completed
The mechanical connection of the lever mechanisms allows simultaneous opening or closing of two or more disconnect levers. By lifting the LL TTB 6 CM, the two (or more) disconnect levers of the terminal blocks are disengaged from each other and can be switched independently. Prior to any re-energising of the circuit, the CM needs to be pushed down into original position and the circuit closed.



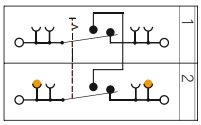


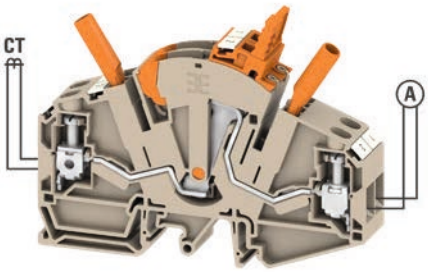
5. TS TTB 6 test sockets installation in progress
The TS TTB 6 test sockets are inserted into the bespoke housings provided in the terminal blocks from above. Once inserted, the test sockets cannot be removed from the installation.





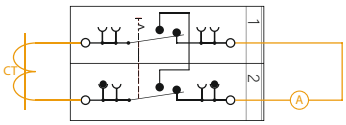
6. TS TTB 6 test sockets installation completed
The test sockets are used to connect test devices with a standard 4.0 plug with widths up to 10 mm into the terminal. Test sockets are arranged at an angle, therefore all standard measurements (even adjoining) can be realised within the terminal width of 8.1 mm. Once mounted, the test socket cannot be removed from the application.





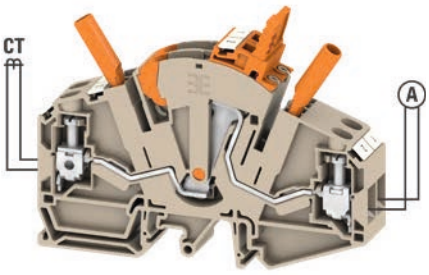
Installation: Wiring the transformer and the ammeter

The transformer will be connected in the clamping unit usptream the disconnect lever and the ammeter will be connected in the clamping units downstream the disconnect lever.



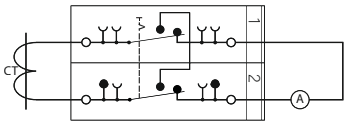
Application examples

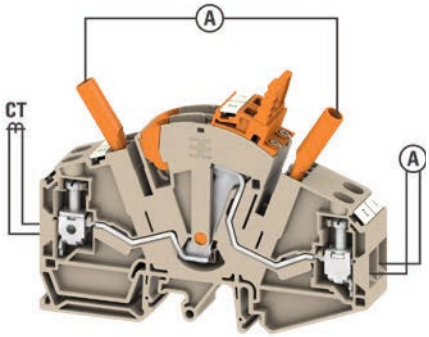
Performing a comparative measurement



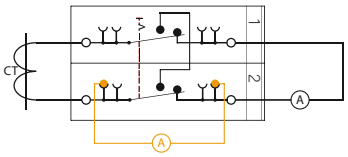
Operation: Performing a comparative measurement

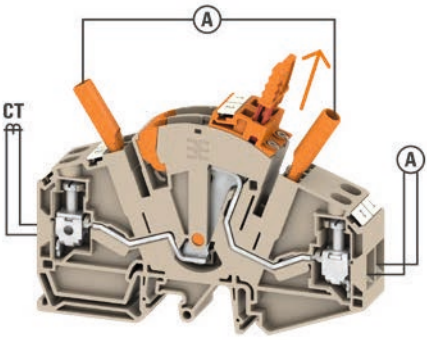
1. Configuration correctly equipped
The installation of the required accessories to equip the terminal arrangement for comparative measurement and also the wiring of the primary side as well as the secondary side, has already been carried out. The installation is correctly prepared to perform the required operations.



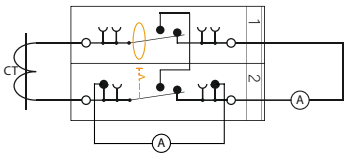


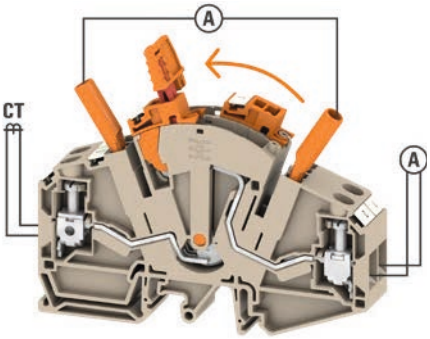
2. Connection of a reference measuring (calibrated) instrument
The reference measuring (calibrated) instrument is connected via standard 4.0 plugs to the test sockets on a terminal block. The connection is made inserting in parralel the calibrated instrument to the terminal block, where the disconnection will take place.



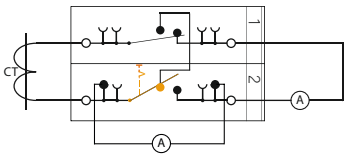


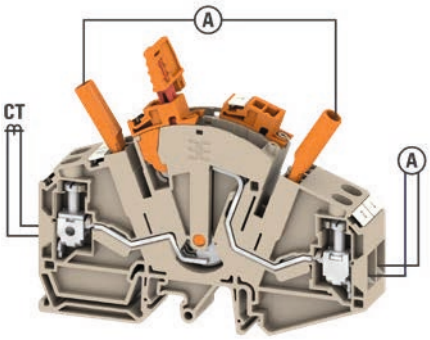
3. Lifting up the LL TTB 6 CM lever link
Lifting up the lever link LL TTB 6 CM causes a mechanical decoupling of the two disconnect levers. Now the two disconnect levers can be operated independently from each other within this application.





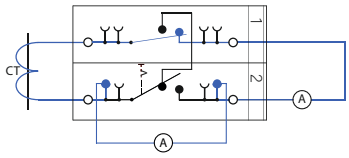
4. Switching the LL TTB 6 CM lever link
By switching the previously decoupled lever link, the current flow is diverted from the terminal block through the now parallel-connected reference measuring instrument.

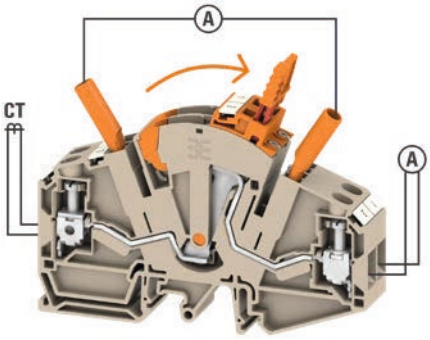




5. Performing the comparative reading of the two ammeters

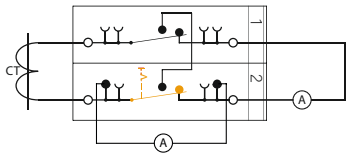
The values measured by the ammeter connected downstream can now be compared with the values given by the reference meter since both instruments are reading the same current. The comparison measurement has now been successfully completed and the correct functional verification of the ammeter connected downstream the terminal has been carried out.

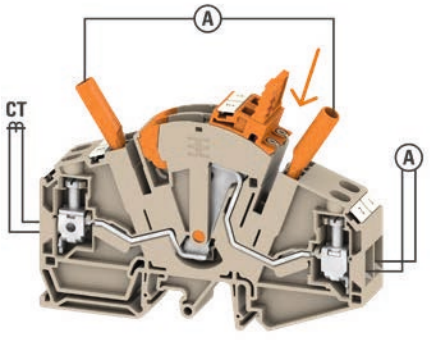




6. Restoring the lever link back into original position

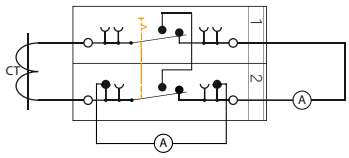
Switching backwards the lever, restores the entire arrangement into its original status. The transition from the comparative measurement status back to the initial position is realised smoothly and safely.

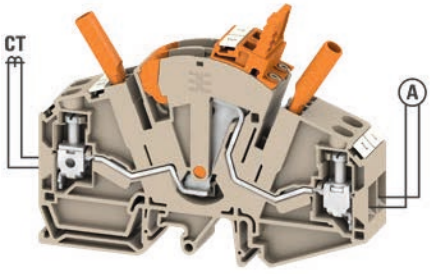




7. Pressing down the LL TTB 6 CM lever link

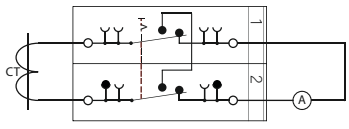
Pressing down the LL TTB 6 CM lever link restores the mechanical connection of the two disconnect levers within the application.





8. Disconnecting of the reference measuring instrument

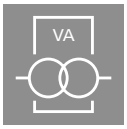
The reference measurement instrument is therefore disconnected from the installation by simply removing its plugs from the test sockets of the terminal block and the installation is restored in the initial status



Simple, fast, and safe wiring of current and voltage transformers

Klippon® Connect instrument transformer wiring terminal blocks

In energy monitoring, incorrect wiring can destroy current and voltage transformers. Our specially developed test-disconnect terminal blocks, in various connection technologies, are a safe way of solving this problem. Simple operation ensures error-free, convenient wiring. This guarantees the protection of your transformers and measuring devices and ensures safe, precise work. Our integrated terminal blocks, in modular design for transformer switches, also save space in the panel.





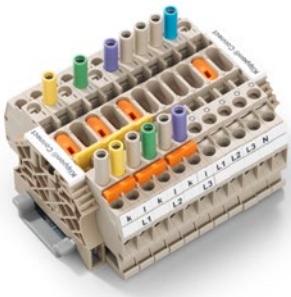


Instrument transformer wiring terminal blocks with tension clamp connection
The simple operating system with a spring connection and the clear identification of the switch status guarantee safe short-circuiting and disconnecting at all times.

Instrument transformer wiring terminal blocks with screw connection
With our test-disconnect terminal blocks, based on tested Weidmüller screw connection technology, connecting challenges can be resolved clearly and costeffectively.

Instrument transformer wiring terminal blocks with stud connection
The Instrument transformer wiring terminal blocks SDL 4 with stud connection technology enables simple instrument transformer wiring of ring cable lugs.



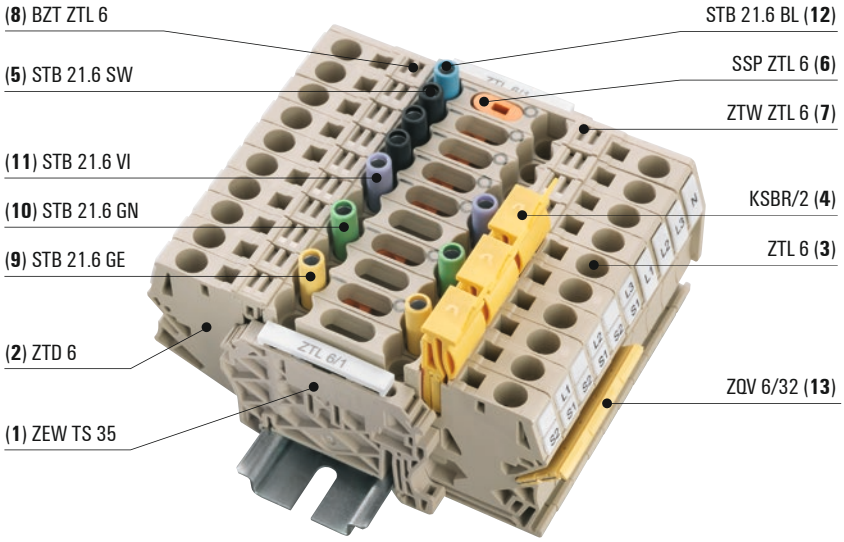




Instrument transformer wiring
Tension clamp connection

Test-disconnect terminal blocks

Test-disconnect terminal blocks for measuring with ZTL 6



Ordering data

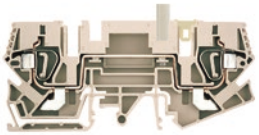
Pos.	Type	Order No.	Qty.
1	ZEW TS 35 (nur TS 35)	**9540000000**	20
1	EWK1 (nur TS 32)	**0206160000**	50
2	ZTD 6	**1771810000**	20
3	ZTL 6	**1771800000**	20
4	KSBR/2	**1771820000**	50
5	STB 21.6 SW	**1071040000**	50
6	SSP ZTL 6	**1771860000**	100
7	ZTW ZTL 6	**1771870000**	20
8	BZT ZTL 6	**1781140000**	20

Optionally available for better labelling (instead of 11 x Pos. 5):

Pos.	Type	Order No.	Qty.
9	STB 21.6 GE	**1071010000**	50
10	STB 21.6 GN	**1071020000**	50
11	STB 21.6 VI	**1071030000**	50
12	STB 21.6 BL	**1071080000**	50
Optionally available for a shared k-point:			
13	ZQV 6/32 GE	**1733640000**	10

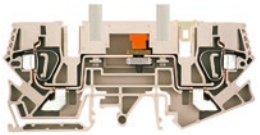
ZTD 6 — 6 mm²

Feed-through terminal



ZTL 6 — 6 mm²

Disconnect test terminal



		ZTD 6	ZTL 6
Width/Height/Depth	mm	8 x 106 x 46.5	8 x 106 x 46.5
max. current / max. cond. cross-section	A/mm²	**52 / 10**	**52 / 10**
Max. clamping range	mm²	**0.5...10**	**0.5...10**

Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	300	300	
Rated current A	41	33	33	
for wire cross-section mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals	CE GL EAC UL			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...10 / 1.5...6			
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	13 / 0.8 x 4.0 mm			

Note

400V when used as a disconnect terminal. Tightening torque for ZTL 6 disconnection element with screw = 0.5 - 0.6 Nm

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	400	300	300	
Rated current A	41	33	33	
for wire cross-section mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals	CE GL EAC KTSO UL			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...10 / 1.5...6			
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	13 / 0.8 x 4.0 mm			

Note

400V when used as a disconnect terminal. Tightening torque for ZTL 6 disconnection element with screw = 0.5 - 0.6 Nm

Ordering data

Version	Type	Qty.	Order No.
With socket	ZTD 6/STB	20	**1771960000**
without socket	ZTD 6	20	**1771810000**

Note

Version	Type	Qty.	Order No.
With socket	ZTL 6/STB	20	**1771950000**
without socket	ZTL 6	20	**1771800000**

Accessories

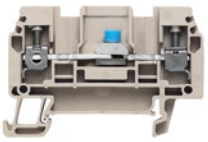
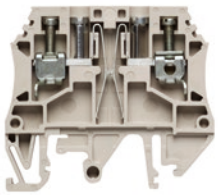
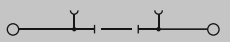
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
3-pole	ZQV 6/3 GE	41 A	60	**1627860000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
End plate	ZTW ZTL6		20	**1771870000**
Testing / Checking				
Test plug	PS 4 F.STB 4		20	**0299600000**
Socket - yellow	STB 21.6/IH/GE WTL6/3		50	**1071010000**
Socket - green	STB 21.6/IH/GN WTL6/3		50	**1071020000**
Socket - magenta	STB 21.6/IH/VI WTL6/3		50	**1071030000**
Socket - blue	STB 21.6/IH/BL WTL6/3		50	**1071080000**
Miscellaneous accessories				
Lockout device				
Short-circuit plug, 2-pole	KSBR/2 ZTL6	10 A	20	**1771820000**
Short-circuit plug, 3-pole	KSBR/3 ZTL6	10 A	20	**1771830000**
Short-circuit plug, 4-pole	KSBR/4 ZTL6	10 A	20	**1771840000**
Marker holder				
	BZT ZTL6		20	**1781140000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
3-pole	ZQV 6/3 GE	41 A	60	**1627860000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
End plate	ZTW ZTL6		20	**1771870000**
Testing / Checking				
Test plug	PS 4 F.STB 4		20	**0299600000**
Socket - yellow	STB 21.6/IH/GE WTL6/3		50	**1071010000**
Socket - green	STB 21.6/IH/GN WTL6/3		50	**1071020000**
Socket - magenta	STB 21.6/IH/VI WTL6/3		50	**1071030000**
Socket - blue	STB 21.6/IH/BL WTL6/3		50	**1071080000**
Miscellaneous accessories				
Lockout device	SSP ZTL6		100	**1771860000**
Short-circuit plug, 2-pole	KSBR/2 ZTL6	10 A	20	**1771820000**
Short-circuit plug, 3-pole	KSBR/3 ZTL6	10 A	20	**1771830000**
Short-circuit plug, 4-pole	KSBR/4 ZTL6	10 A	20	**1771840000**
Marker holder				
	BZT ZTL6		20	**1781140000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).

Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).

	WTL 4	WTL 4/2
	4 mm²	4 mm²
		Enforced short-circuit function
		
Width/Height/Depth mm	6.1 x 61.3 x 39.9	6 x 56.5 x 48.5
max. current / max. cond. cross-section A	**41 / 6** 	**11 / 6** 
Max. clamping range mm²	**0.13...6**	**0.13...6**

Technical data

Rated data		WTL 4				WTL 4/2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300		500	300	150	
Rated current	A	32	28	28		10	8	8	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10		4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				A4 / V-0		
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...6 / 1.5...4				0.5...6 / 1.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4				0.5...6			
Tightening torque (clamping screw for copper conductors)	-	/ (M 2.5)				/ (M 3)			
Tightening torque (separating screw)	-								
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note		Use as a disconnect terminal with 500 V.				2 wires can be connected; similar to the WDU 4N.			

Ordering data

Version	WTL 4			WTL 4/2		
	Type	Qty.	Order No.	Type	Qty.	Order No.
With socket	WTL 4/STB	50	**1754970000**	WTL 4/2 STB	50	**1881650000**
without socket	WTL 4	50	**1754960000**			
Note						

Accessories

Screwable cross-connection	WTL 4			WTL 4/2		
	Type	Qty.	Order No.	Type	Qty.	Order No.
2-pole	WQV 4/2 41 A	50	**1051960000**			
3-pole	WQV 4/3 41 A	50	**1054560000**			
4-pole	WQV 4/4 41 A	50	**1054660000**			
10-pole	WQV 4/10 41 A	20	**1052060000**			
End plate / Partition plate						
dark beige	ZAP/TW 1	50	**1608740000**	WAP WTL4/2	50	**1881640000**
End bracket						
dark beige	WEW 35/2	50	**1061200000**	WEW 35/2	50	**1061200000**
Cross-connection slider						
2-pole	QVS 2/4 SAKT4	20	**1319260000**			
Mounting screw for QVS	BFSC M3X22 SAKT4	50	**1319900000**			
Testing / Checking						
Test plug	PS 2.3 RT	20	**0180400000**			
Socket	STB 8.5/5/2.3/M3 SAK2.5	50	**0280600000**			
Standard				WTA 8 TN 6 A	25	**1915450000**
Marking tags						
	DEK 5/6 MC NE WS	1000	**1609820000**			
				WS 12/6 MC NE WS	600	**1609900000**

For detailed information on other accessories and application in the online catalogue

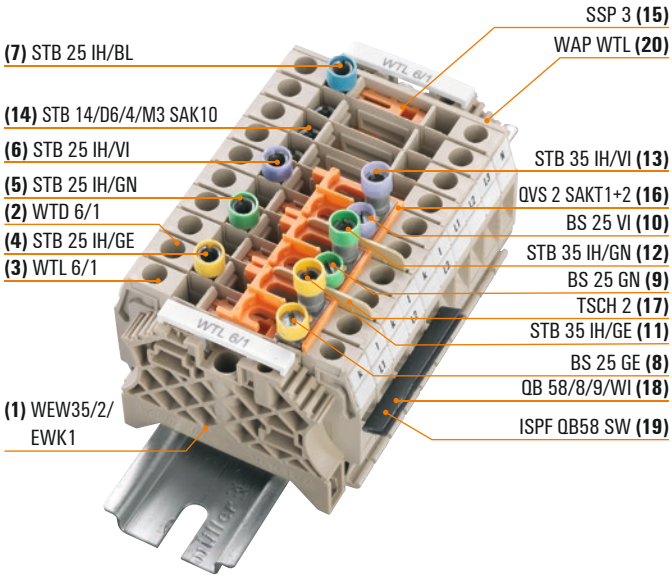
WTA 8-series test adapter, WQV external cross-connector, end bracket and shield bus LS 2.8, refer to "Accessories".


VA

Instrument transformer wiring
Screw connection

Test-disconnect terminal blocks

WTL 6/1, WTD 6/1, WTQ 6/1





STB 35 IH/SW



(21) VH 19



WAP WTL

Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2/EWK1	**1061200000**	2
2	WTD 6/1	**1017100000**	3
3	WTL 6/1	**1016700000**	7
4	STB 25 IH/GE	**0267200000**	1
5	STB 25 IH/GN	**0271200000**	1
6	STB 25 IH/VI	**0271300000**	1
7	STB 25 IH/BL	**0343400000**	1
8	BS 25 GE	**0335700000**	1
9	BS 25 GN	**0335600000**	1
10	BS 25 VI	**0335800000**	1
11	STB 35 IH/GE	**0389000000**	1
12	STB 35 IH/GN	**0388900000**	1
13	STB 35 IH/VI	**0389100000**	1
14	STB 14/D6/4/M3 SAK10	**0169900000**	3
15	SSP 3	**0531760000**	4
16	QVS 2 SAKT1+2	**0307300000**	3
17	TSCH 2	**0353660000**	2
18	QB 58/8/9/WI	**0545300000**	1
19	ISPF QB58 SW	**0546000000**	1
20	WAP WTL	**1068300000**	1
21	VH 19	**0318000000**	10

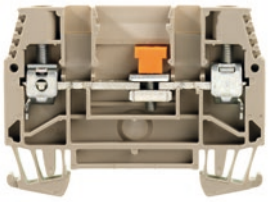
Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
18	QB 58*angled	**0545300000**	**0545300000**	1
19	ISPFQB58SW*	**0546000000**	**0546000000**	1

* Shorten to 5 poles

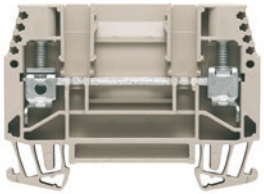
WTL 6/1 — 6 mm²

Longitudinal - disconnector



WTD 6/1 — 6 mm²

Feed-through



		WTL 6/1	WTD 6/1
Width/Height/Depth	mm	7.9 x 65 x 47.5	7.9 x 65 x 47.5
max. current / max. cond. cross-section	A	**57 / 10**	**57 / 10**
Max. clamping range	mm²	**0.5...10**	**0.5...10**



Technical data

Rated data		WTL 6/1	WTD 6/1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	630 / 300 / 300	630 / 300 / 300
Rated current	A	41 / 45 / 45	41 / 45 / 50
for wire cross-section	mm²	6 / AWG 20...8 / AWG 20...8	6 / AWG 20...8 / AWG 20...8
Rated impulse withstand voltage / Pollution severity		6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0	A5 / V-0
Approvals		CE GB EAC KCAS UL	CE GB EAC KCAS UL
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / Stranded	mm²	0.5...10 / 1.5...10	0.5...10 / 1.5...10
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductors)	-	/ (M 3.5)	/ (M 3.5)
Tightening torque (separating screw)	-		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm	12 / 0.8 x 4.0 mm
Note		Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.	Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	WTL 6/1 Type	Qty.	Order No.	WTD 6/1 Type	Qty.	Order No.
With socket	WTL 6/1/STB	50	**1016900000**			
without socket	WTL 6/1	50	**1016700000**	WTD 6/1	50	**1017100000**
Note	TS32 version on request			TS32 version on request		

Accessories

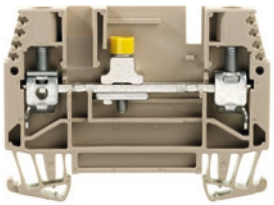
	WTL 6/1 Type	Qty.	Order No.	WTD 6/1 Type	Qty.	Order No.
Screwable cross-connection						
2-pole						
3-pole						
4-pole						
10-pole						
Connecting sleeve						
Mounting screw						
End plate / Partition plate						
dark beige	WAP WTL6/1	20	**1068300000**	WAP WTL6/1	20	**1068300000**
dark beige	WTW WTL6/1 DB	20	**1068400000**	WTW WTL6/1 DB	20	**1068400000**
Cross-connection slider						
2-pole	QVS 2 SAKT1+2	20	**0307300000**	QVS 2 SAKT1+2	20	**0307300000**
3-pole	QVS 3 SAKT1+2	20	**0329300000**	QVS 3 SAKT1+2	20	**0329300000**
Connecting sleeve for QVS	VH 19/6/4.2 SAKT1	50	**0318000000**	VH 19/6/4.2 SAKT1	50	**0318000000**
4-pole						
Testing / Checking						
Socket - blue	STB 35 IH/BL	50	**0388700000**	STB 35 IH/BL	50	**0388700000**
Socket - green	STB 35 IH/GN	50	**0388900000**	STB 35 IH/GN	50	**0388900000**
Socket - yellow	STB 35 IH/GE	50	**0389000000**	STB 35 IH/GE	50	**0389000000**
Socket - magenta	STB 35 IH/VI	50	**0389100000**	STB 35 IH/VI	50	**0389100000**
Test plug						
Marking tags						
	DEK 5/8 MC NE WS	800	**1856740000**	DEK 5/8 MC NE WS	800	**1856740000**
	WS 12/6.5 MC NE WS	540	**1609920000**	WS 12/6.5 MC NE WS	540	**1609920000**
Miscellaneous accessories						
Lockout device						

For detailed information on other accessories and application in the online catalogue

Instrument transformer wiring
Screw connection

WTQ 6/1 — 6 mm²

Cross-connect/disconnect (isolator)



Width/Height/Depth	7.9 x 65 x 47.5 mm
max. current / max. cond. cross-section	**57 / 10** A
Max. clamping range	**0.5...10** mm²



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	
Rated current A	41	45	50	
for wire cross-section mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals	CE GB EAC KTEA cULus			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors) -	/ (M 3.5)			
Tightening torque (separating screw) -				
Stripping length / Blade size mm/-	12 / 0.8 x 4.0 mm			

Note	
	Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
With socket	WTQ 6/1/STB	50	**1018100000**
without socket	WTQ 6/1	50	**1017900000**
Note	TS32 version on request		

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
Connecting sleeve	VH 12/4.9/3.3 SAK6N		100	**0249000000**
Mounting screw	KISC M3X20 SAK10 CU5		100	**0377100000**
End plate / Partition plate				
dark beige	WAP WTL6/1		20	**1068300000**
dark beige	WTW WTL6/1 DB		20	**1068400000**
Cross-connection slider				
2-pole	QVS 2 SAKT1+2		20	**0307300000**
3-pole	QVS 3 SAKT1+2		20	**0329300000**
Connecting sleeve for QVS	VH 19/6/4.2 SAKT1		50	**0318000000**
4-pole	WKB 1/4		50	**1604320000**
Testing / Checking				
Socket - blue	STB 35 IH/BL		50	**0388700000**
Socket - green	STB 35 IH/GN		50	**0388900000**
Socket - yellow	STB 35 IH/GE		50	**0389000000**
Socket - magenta	STB 35 IH/VI		50	**0389100000**
Test plug	PS 4 F.STB 4		20	**0299600000**
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
Miscellaneous accessories				
Lockout device	SSP 3 SAKT1		100	**0531760000**

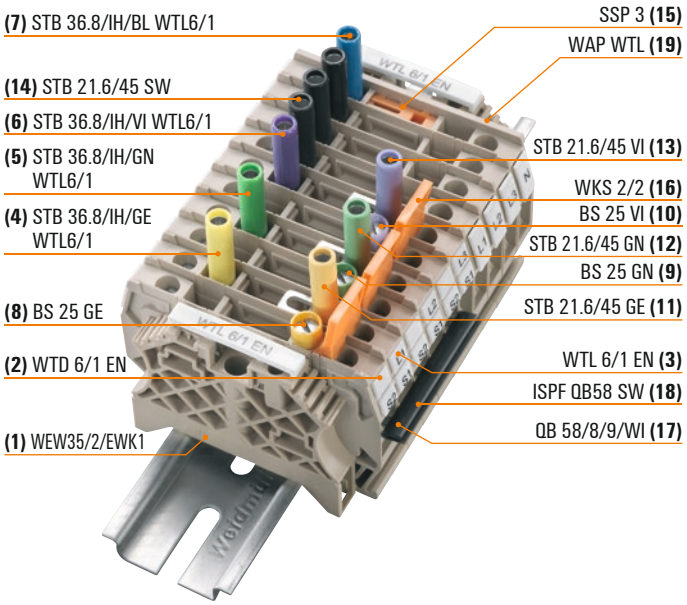
For detailed information on other accessories and application in the online catalogue


VA

Instrument transformer wiring
Screw connection

Test-disconnect terminal blocks

WTL 6/1 EN, WTD 6/1 EN, WTQ 6/1 EN





STB 21.6/45



(20) VH 16



WAP WTL

Ordering data

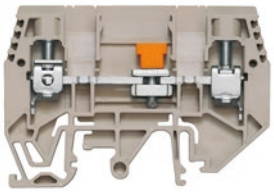
Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	**1061200000**	**0206160000**	2
2	WTD 6/1 EN	**1934830000**	**1934830000**	3
3	WTL 6/1 EN	**1934810000**	**1934810000**	7
4	STB 36.8/IH/GE WTL6/1	**1847760000**	**1847760000**	1
5	STB 36.8/IH/GN WTL6/1	**1847770000**	**1847770000**	1
6	STB 36.8/IH/VI WTL6/1	**1847780000**	**1847780000**	1
7	STB 36.8/IH/BL WTL6/1	**1847790000**	**1847790000**	1
8	BS 25 GE	**0335700000**	**0335700000**	1
9	BS 25 GN	**0335600000**	**0335600000**	1
10	BS 25 VI	**0335800000**	**0335800000**	1
11	STB 21.6/45 GE	**1936240000**	**1936240000**	2
12	STB 21.6/45 GN	**1936250000**	**1936250000**	2
13	STB 21.6/45 VI	**1936260000**	**1936260000**	2
14	STB 21.6/45 SW	**1936270000**	**1936270000**	2
15	SSP 3	**0531760000**	**0531760000**	7
16	WKS 2/2	**1936140000**	**1936140000**	3
17	QB 58/8/9/WI	**0545300000**	**0545300000**	1
18	ISPF QB58 SW	**0546000000**	**0546000000**	1
19	WAP WTL	**1957710000**	**1957710000**	1
20	VH 16	**0309700000**	**0309700000**	9

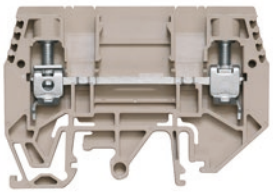
Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
17	QB 58*angled	**0545300000**	**0545300000**	1
18	ISPFQB58SW*	**0546000000**	**0546000000**	1

* Shorten to 5 poles

	WTL 6/1 EN	6 mm²	WTD 6/1 EN	6 mm²
	Longitudinal - disconnector		Feed-through (bushing)	





Width/Height/Depth	mm	7.9 x 68.5 x 47.5	7.9 x 65 x 47.5
max. current / max. cond. cross-section	A	**57 / 10**	**57 / 10**
Max. clamping range	mm²	**0.5...10**	**0.5...10**





Technical data

Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	630	300	300		630	300	300	
Rated current	A	41	45	45		41	45	45	
for wire cross-section	mm²	6	AWG 20...8	AWG 20...8		6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0				A5 / V-0		
Approvals		CE GB EAC UL				CE GB EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 1.5...10				0.5...10 / 1.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6				0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	-	/ (M 3.5)				/ (M 3.5)			
Tightening torque (separating screw)	-								
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm				12 / 0.8 x 4.0 mm			
Note		Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.				Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
With socket	WTL 6/1 EN STB	50	**1934820000**			
without socket	WTL 6/1 EN	50	**1934810000**	WTD 6/1 EN	50	**1934830000**
Note	TS 32 version on request			TS 32 version on request		

Accessories

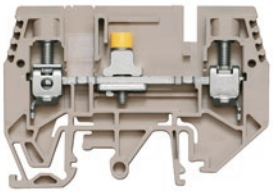
Screwable cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate								
dark beige	WAP WTL6/1 EN		20	**1957710000**	WAP WTL6/1 EN		20	**1957710000**
dark beige	WTW WTL6/1 DB		20	**1068400000**	WTW WTL6/1 DB		20	**1068400000**
End bracket								
dark beige	WEW 35/2		50	**1061200000**	WEW 35/2		50	**1061200000**
Cross-connection slider								
2-pole	WKS 2/2		50	**1936140000**	WKS 2/2		50	**1936140000**
3-pole	WKS 2/3		50	**1936150000**	WKS 2/3		50	**1936150000**
4-pole	WKS 2/4		50	**1936160000**	WKS 2/4		50	**1936160000**
Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	**0309700000**	VH 16/5/3.5 SAK10-35		50	**0309700000**
Testing / Checking								
Socket - blue	STB 21.6/45 BL		50	**1936290000**	STB 21.6/45 BL		50	**1936290000**
Socket - yellow	STB 21.6/45 GE		50	**1936240000**	STB 21.6/45 GE		50	**1936240000**
Socket - green	STB 21.6/45 GN		50	**1936250000**	STB 21.6/45 GN		50	**1936250000**
Socket	STB 14/D6/4/M3 SAK10		500	**2012420000**	STB 14/D6/4/M3 SAK10		500	**2012420000**
Socket - blue	STB 36.8/IH/BL WTL6/1		50	**1847790000**	STB 36.8/IH/BL WTL6/1		50	**1847790000**
Socket - yellow	STB 36.8/IH/GE WTL6/1		50	**1847760000**	STB 36.8/IH/GE WTL6/1		50	**1847760000**
Socket - green	STB 36.8/IH/GN WTL6/1		50	**1847770000**	STB 36.8/IH/GN WTL6/1		50	**1847770000**
Miscellaneous accessories								
Lockout device								
Marking tags								
	DEK 5/8 MC NE WS		800	**1856740000**	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**	WS 12/8 PLUS MC NE WS		420	**1906000000**

For detailed information on other accessories and application in the online catalogue

Instrument transformer wiring
Screw connection

WTQ 6/1 EN — 6 mm²

Cross-connect/disconnect (isolator)



Width/Height/Depth	mm	7.9 x 65 x 47.5
max. current / max. cond. cross-section	A	**57 / 10**
Max. clamping range	mm²	**0.5...10**



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	41	45	45	
for wire cross-section	mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0		
Approvals		CE GL EAC cULus			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	-	/ (M 3.5)			
Tightening torque (separating screw)	-				
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm			
Note		Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Ordering data

Version	Type	Qty.	Order No.
With socket	WTQ 6/1 EN STB	50	**1934800000**
without socket	WTQ 6/1 EN	50	**1934790000**
Note	TS 32 version on request		

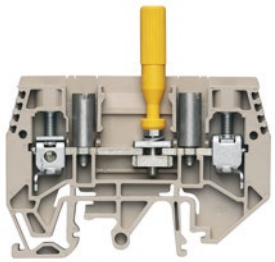
Accessories

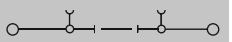
Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
dark beige	WAP WTL6/1 EN		20	**1957710000**
dark beige	WTW WTL6/1 DB		20	**1068400000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Cross-connection slider				
2-pole	WKS 2/2		50	**1936140000**
3-pole	WKS 2/3		50	**1936150000**
4-pole	WKS 2/4		50	**1936160000**
Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	**0309700000**
Testing / Checking				
Socket - blue	STB 21.6/45 BL		50	**1936290000**
Socket - yellow	STB 21.6/45 GE		50	**1936240000**
Socket - green	STB 21.6/45 GN		50	**1936250000**
Socket	STB 14/D6/4/M3 SAK10		500	**2012420000**
Socket - blue	STB 36.8/IH/BL WTL6/1		50	**1847790000**
Socket - yellow	STB 36.8/IH/GE WTL6/1		50	**1847760000**
Socket - green	STB 36.8/IH/GN WTL6/1		50	**1847770000**
Miscellaneous accessories				
Lockout device				
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**

For detailed information on other accessories and application in the online catalogue

WTL 6/1/STB/TNSC/EN — 6 mm²

Longitudinal separator





Width/Height/Depth	7.9 x 65 x 66 mm
max. current / max. cond. cross-section	**57 / 10** A
Max. clamping range	**0.5...10** mm²

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	630			
Rated current A	41			
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...10 / 1.5...			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors) -	/ (M 3.5)			
Tightening torque (separating screw) -				
Stripping length / Blade size mm/-	12 / 0.8 x 4.0 mm			

Note
Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
With socket	WTL 6/1/STB/TNSC/EN	50	**1938820000**
without socket	WTL 6/1/TNSC/EN	50	**1345280000**
Note	TS 32 variants upon request		

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
dark beige	WAP WTL6/1 EN		20	**1957710000**
dark beige	WTW WTL6/1 DB		20	**1068400000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Cross-connection slider				
2-pole	WKS 2/2		50	**1936140000**
3-pole	WKS 2/3		50	**1936150000**
4-pole	WKS 2/4		50	**1936160000**
Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	**0309700000**
Testing / Checking				
Socket - blue	STB 21.6/45 BL		50	**1936290000**
Socket - yellow	STB 21.6/45 GE		50	**1936240000**
Socket - green	STB 21.6/45 GN		50	**1936250000**
Socket	STB 14/D6/4/M3 SAK10		500	**2012420000**
Miscellaneous accessories				
Lockout device				
Marking tags				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**

For detailed information on other accessories and application in the online catalogue

Accessories for test-disconnect terminals WTL 6/1

Technical data

Rated voltage for neighbouring	rated voltage
QVS	63 V
WQV	bis 400 V
QL	250 V

for neighbouring	rated voltage
STB 25	63 V
STB 30.5	63 V
STB 35	63 V

SSP WTL, **SSP 3** and **SSP 4** prevent unwanted opening or closing of current circuits. They block the disconnecting slider in its particular position. The lockout device is easily pressed into the terminal, but can only be removed again with a tool.

Type	Qty.	Order No.
SSP 3	100	**0531760000**
SSP WTL	100	**1604200000**

To retain the rated voltage, partition plates TW or partition discs TSch have to be used, except with WQV.



QVS 1

Cross-connection slider



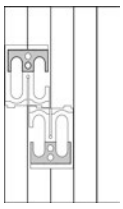
QVS QVS QVSK 2 QVS 2S

Type	No. of poles	Qty.	Order No.
QVS 2	2	20	**0307300000**
QVSK 2	2	20	**1670360000**
QVS 3	3	20	**0329300000**
QVS 4	4	20	**0307400000**
QVS 2S	2	20	**0358460000**

Note:
Not suitable for WTL 6/1 EN.

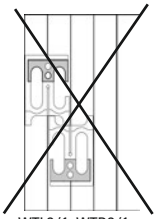
QVS 2 placed opposite each other cannot be switched.

QVSK 2
(167036)



WTL6/1, WTD6/1

QVS 2
(030730)



WTL6/1, WTD6/1

STB

Cross-connection slider



Type	Colour	Qty.	Order No.
STB 14			
STB 14		50	**0169900000**
STB 30,5			
STB 30.5	black	50	**0341000000**
STB 30.5	grey	50	**0341100000**
STB 30.5	blue	50	**0341200000**
STB 30.5	red	50	**0341300000**
STB 30.5	green	50	**0341400000**
STB 30.5	yellow	50	**0341500000**
STB 30.5	violet	50	**0341600000**
STB 35			
STB 35	yellow	50	**0389000000**
STB 35	green	50	**0388900000**
STB 35	violet	50	**0389100000**
STB 35	black	50	**0388500000**
STB 35	grey	50	**0388600000**
STB 35	blue	50	**0388700000**
STB 35	red	50	**0388800000**
Connecting sleeves			
VH19		50	**0318000000**

Accessories for test-disconnect terminals WTL 6/1 EN

BS / VH



Type	Colour	Qty.	Order No.
Fixing screws			
BS 25	yellow	50	**0335700000**
BS 25	green	50	**0335600000**
BS 25	violet	50	**0335800000**
BS 25	grey	50	**0335300000**
BS 25	black	50	**0335200000**
BS 25	blue	50	**0335400000**
BS 25	red	50	**0335500000**
BS 25	blank	50	**0334700000**
STB 25			
STB 21.6/45 BL	blue	50	**1936290000**
STB 21.6/45 DB	d.blue	50	**1938790000**
STB 21.6/45 GE	yellow	50	**1936240000**
STB 21.6/45 GN	green	50	**1936250000**
STB 21.6/45 GR	grey	50	**1936280000**
STB 21.6/45 RT	red	50	**1936300000**
STB 21.6/45 SW	black	50	**1936270000**
STB 21.6/45 VI	violet	50	**1936260000**
Connecting sleeves			
VH 16/5/3.5 SAK10-35 CuZn 39 (brass alloy)		50	**0309700000**
STB 36,8			
STB 36.8/IH/DB WTL6/1		50	**1847740000**
STB 36.8/IH/GE WTL6/1		50	**1847760000**
STB 36.8/IH/GN WTL6/1		50	**1847770000**
STB 36.8/IH/VI WTL6/1		50	**1847780000**
STB 36.8/IH/BL WTL6/1		50	**1847790000**

WQV / QL



WQV (only for WTL 6/2, WTL 6/3)

Type	No. of poles	Qty.	Order No.
WQV			
WQV 6/2	2	50	**1052360000**
WQV 6/3	3	50	**1054760000**
WQV 6/4	4	50	**1054860000**
WQV 6/5	5	50	**1062660000**
WQV 6/7	7	50	**1062680000**
WQV 6/10	10	20	**1052260000**
QL			
QL 2	2	50	**0194300000**
QL 3	3	50	**0194400000**
QL 4	4	50	**0194500000**
QL 10	10	20	**0338300000**
QL 15	15	10	**0221200000**
Connecting sleeves			
VH 12 E-Cu 57 (copper alloy)		100	**0249000000**

WKB / WKS



WKB **WKS 1** **WKS 2**

Type	No. of poles	Qty.	Order No.
WKB			
WKB 1/2	2	50	**1604280000**
WKB 1/3	3	50	**1604300000**
WKB 1/4	4	50	**1604320000**
WKB 1/10	10	20	**1604330000**
WKS			
WKS 1/2	2	50	**1604270000**
WKS 1/3	3	50	**1604290000**
WKS 1/4	4	50	**1604310000**
WKS 2/2	2	50	**1936150000**
WKS 2/3	3	50	**1936140000**

QS 2



Type	No. of poles	Qty.	Order No.
QS			
QS 2 x = 8 mm, y = 16 mm	2	20	**0270960000**
QS 2 x = 10 mm, y = 20 mm	2	20	**0270860000**
QS 2 x = 12 mm, y = 20 mm	2	20	**0270760000**

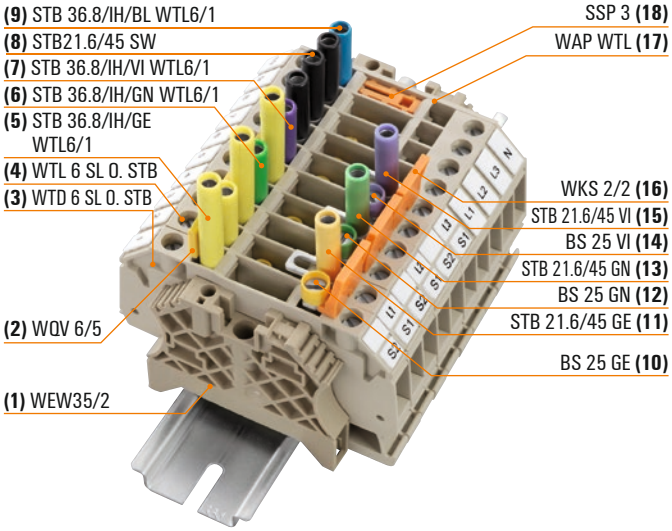
B

Testing made easy
WTL 6 SL / WTD 6 SL

Current transformers may only be short-circuited or operated with a negligible load impedance because open current transformers “run hot” and destroy themselves. Apart from that, load impedances lead to measuring inaccuracies in electricity supply meters and hence to financial losses for their operators.

Many switching tasks can be done using the WTL 6 SL test/disconnect terminals and the WTD 6 SL feed-through terminals.

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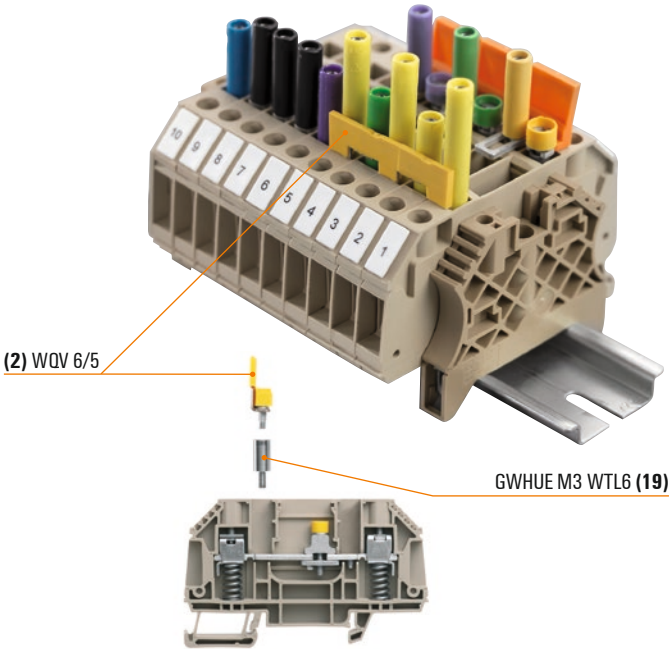


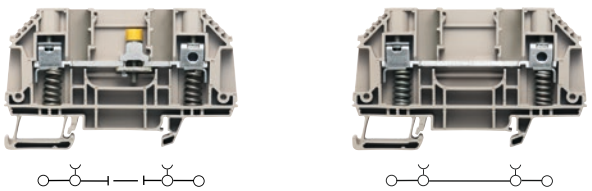

STB 21.6/45 DB


(20) VH 19


WAP WTL6 SL

Example transformer using WTL 6 SL / WTD 6 SL

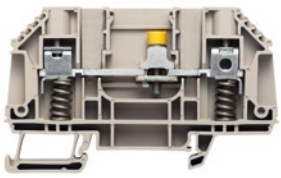
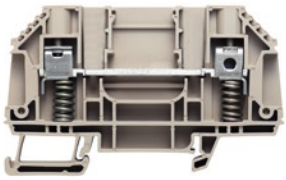



WTL 6 SL o. StB

WTD 6 SL o. StB

Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2	1061200000	2
2	WQV 6/5	1062660000	1
3	WTD 6 SL O. STB	1238920000	3
4	WTL 6 SL O. STB	1238930000	7
5	STB 36.8/IH/GE WTL6/1	1847760000	4
6	STB 36.8/IH/GN WTL6/1	1847770000	1
7	STB 36.8/IH/VI WTL6/1	1847780000	1
8	STB21.6/45 SW	1936270000	3
9	STB 36.8/IH/BL WTL6/1	1847790000	1
10	BS 25 GE	0335700000	1
11	STB 21.6/45 GE	1936240000	1
12	BS 25 GN	0335600000	1
13	STB 21.6/45 GN	1936250000	1
14	BS 25 VI	0335800000	1
15	STB 21.6/45 VI	1936260000	1
16	WKS 2/2	1936150000	3
17	WAP WTL	9538110000	1
18	SSP 3	0531760000	1
19	GWHUE M3 WTL6	1255010000	3
20	VH 19	0318000000	6

	WTL 6 SL	WTD 6 SL
	6 mm²	6 mm²
		Feed-through
		
Width/Height/Depth mm	7.9 x 82.7 x 50	7.9 x 82.7 x 50
max. current / max. cond. cross-section A	**57 / 6** 	**57 / 6**
Max. clamping range mm²	**0.5...6**	**0.5...6**

Technical data

	WTL 6 SL	WTD 6 SL
Rated data	IEC 60947-7-1	IEC 60947-7-1
Rated voltage V	IEC: 630 / UL: 41 / CSA: 6 / 6 kV / 2 / A5 / V-0 / CE EAC	IEC: 630 / UL: 41 / CSA: 6 / 6 kV / 2 / A5 / V-0 / CE EAC
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 6	0.5...6 6
Flexible / Flexible with ferrule mm²	0.5...6	0.5...6
Tightening torque (clamping screw for copper conductors) -	/ (M 3.5)	/ (M 3.5)
Tightening torque (separating screw) -		
Stripping length / Blade size mm/-	16 / 0.8 x 4.0 mm	16 / 0.8 x 4.0 mm
Note	Rated data ESI: 500 V / 24 A.	Rated data ESI: 500 V / 24 A.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
With socket	WTL 6 SL	50	**1161690000**	WTD 6 SL	50	**9538090000**
without socket	WTL 6 SL O.STB	50	**1238930000**	WTD 6 SL O.STB	50	**1238920000**
Note	With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).					

Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Screwable cross-connection								
2-pole	WQV 6/2	57 A	50	**1052360000**	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**	WQV 6/10	57 A	20	**1052260000**
Threaded bushing								
Standard	GWHUE M3 WTL6		50	**1255010000**	GWHUE M3 WTL6		50	**1255010000**
End plate / Partition plate								
Black	WAP WTL6 SL		20	**9538110000**	WAP WTL6 SL		20	**9538110000**
dark beige	WAP WTL6 SL 4-6		20	**1238880000**	WAP WTL6 SL 4-6		20	**1238880000**
dark beige	WTW EN		20	**1058800000**	WTW EN		20	**1058800000**
End bracket								
dark beige	WEW 35/2		50	**1061200000**	WEW 35/2		50	**1061200000**
Hak. Cable lugs								
	HBT 1,5 - 4,6 RT		100	**1233340000**	HBT 1,5 - 4,6 RT		100	**1233340000**
	HBT 2,5 - 4,6 BL		100	**1233330000**	HBT 2,5 - 4,6 BL		100	**1233330000**
	HBT 6,0 - 4,6 GE		100	**1216230000**	HBT 6,0 - 4,6 GE		100	**1216230000**
Marking tags								
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 12/6.5 MC NE WS		540	**1609920000**

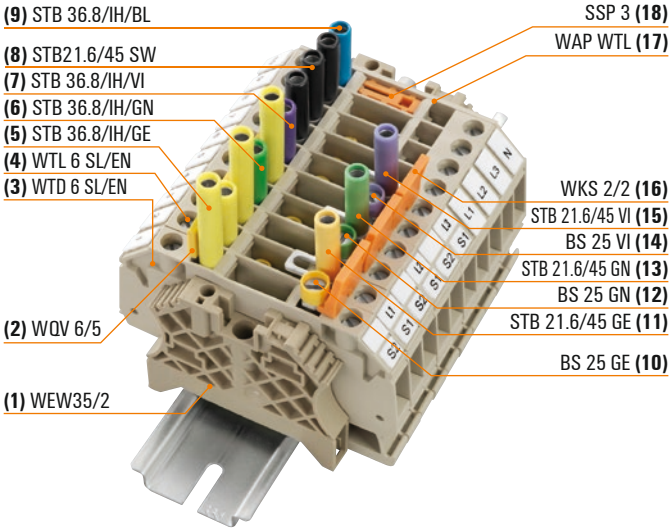
For detailed information on other accessories and application in the online catalogue

Testing made easy
WTL 6 SL EN / WTD 6 SL EN

Current transformers may only be short-circuited or operated with a negligible load impedance because open current transformers “run hot” and destroy themselves. Apart from that, load impedances lead to measuring inaccuracies in electricity supply meters and hence to financial losses for their operators.

Many switching tasks can be done using the WTL 6 SL EN test/disconnect terminals and the WTD 6 SL EN feed-through terminals.

The screws for connecting the conductors are only accessible after the current transformer has been short-circuited with the help of the short-circuit slider. This guarantees that the measuring instrument is not accidentally disconnected.

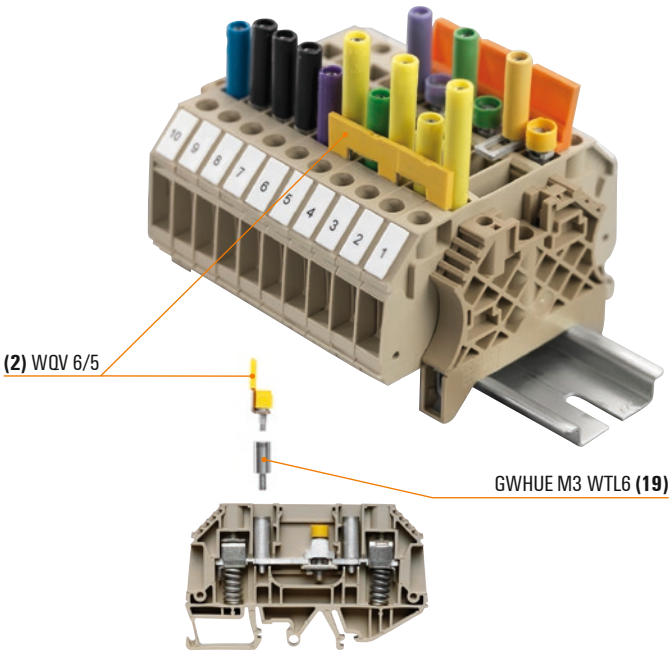



STB 21.6/45 DB


(20) VH 19

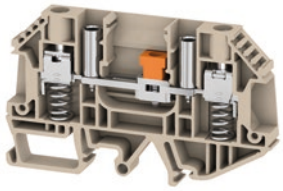
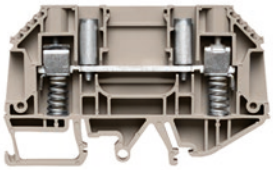

WAP WTL6 SL

Example transformer using WTL 6 SL EN / WTD 6 SL EN



Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2	1061200000	2
2	WQV 6/5	1062660000	1
3	WTD 6 SL EN	9538100000	3
4	WTL 6 SL EN	9538080000	7
5	STB 36.8/IH/GE	1847760000	4
6	STB 36.8/IH/GN	1847770000	1
7	STB 36.8/IH/VI	1847780000	1
8	STB21.6/45 SW	1936270000	3
9	STB 36.8/IH/BL	1847790000	1
10	BS 25 GE	0335700000	1
11	STB 21.6/45 GE	1936240000	1
12	BS 25 GN	0335600000	1
13	STB 21.6/45 GN	1936250000	1
14	BS 25 VI	0335800000	1
15	STB 21.6/45 VI	1936260000	1
16	WKS 2/2	1936150000	3
17	WAP WTL	9538110000	1
18	SSP 3	0531760000	1
19	GWHUE M3 WTL6	1255010000	3
20	VH 19	0318000000	6

	WTL 6 SL/EN	WTD 6 SL/EN
	6 mm²	6 mm²
	Longitudinal - disconnector	Feed-through
		
Width/Height/Depth mm	7.9 x 82.7 x 49.5	7.9 x 82.7 x 49.5
max. current / max. cond. cross-section A	**57 / 6** 	**57 / 6**
Max. clamping range mm²	**0.5...6**	**0.5...6**

Technical data

	WTL 6 SL/EN	WTD 6 SL/EN
Rated data	IEC 60947-7-1	IEC 60947-7-1
Rated voltage V	630	630
Rated current A	41	41
for wire cross-section mm²	6	6
Rated impulse withstand voltage / Pollution severity	6 kV / 2	6 kV / 2
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	A5 / V-0
Approvals	CE EAC	CE EAC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 6	0.5...6 6
Flexible / Flexible with ferrule mm²	0.5...6	0.5...6
Tightening torque (clamping screw for copper conductors) -	/ (M 3.5)	/ (M 3.5)
Tightening torque (separating screw) -		
Stripping length / Blade size mm/-	16 / 0.8 x 4.0 mm	16 / 0.8 x 4.0 mm
Note	Rated data ESI: 500 V / 24 A.	Rated data ESI: 500 V / 24 A.

IEC	UL	CSA	EN 60079-7
630			
41			
6			
		6 kV / 2	
		A5 / V-0	

Ordering data

Version	Type	Qty.	Order No.
With socket	WTL 6 SL/EN	50	**9538080000**
Note	With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Version	Type	Qty.	Order No.
With socket	WTD 6 SL/EN	50	**9538100000**

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole				
4-pole				
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
Black	WAP WTL6 SL		20	**9538110000**
dark beige	WAP WTL6 SL 4-6		20	**1238880000**
dark beige	WTW EN		20	**1058800000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hak. Cable lugs				
	HBT 1,5 - 4,6 RT		100	**1233340000**
	HBT 2,5 - 4,6 BL		100	**1233330000**
	HBT 6,0 - 4,6 GE		100	**1216230000**
Marking tags				
	WS 12/6.5 MC NE WS		540	**1609920000**
Threaded bushing				
Standard	GWHUE M3 WTL6		50	**1255010000**

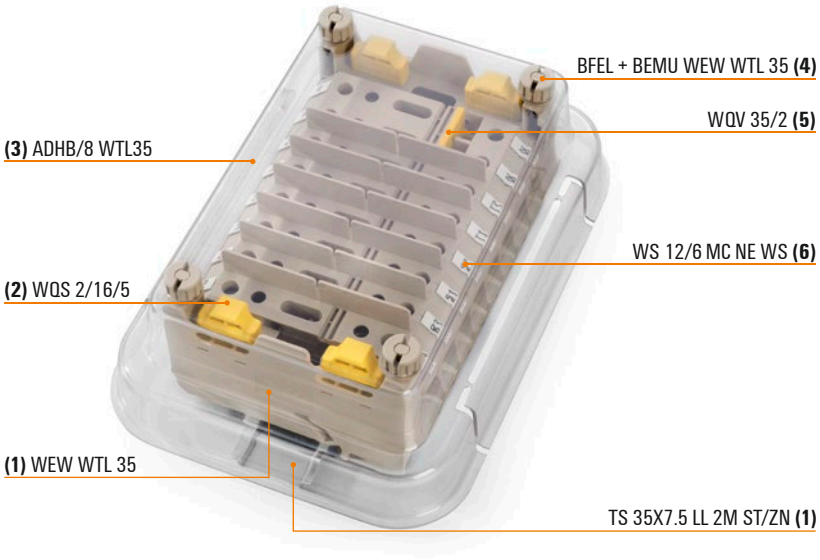
Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
Black	WAP WTL6 SL		20	**9538110000**
dark beige	WAP WTL6 SL 4-6		20	**1238880000**
dark beige	WTW EN		20	**1058800000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Hak. Cable lugs				
	HBT 1,5 - 4,6 RT		100	**1233340000**
	HBT 2,5 - 4,6 BL		100	**1233330000**
	HBT 6,0 - 4,6 GE		100	**1216230000**
Marking tags				
	WS 12/6.5 MC NE WS		540	**1609920000**
Threaded bushing				
Standard				

For detailed information on other accessories and application in the online catalogue

Instrument transformer wiring
Screw connection

Test-disconnect terminal blocks

WTL 35



Ordering data

Pos.	Type	Order No.	Qty.
1	WEW WTL 35	**1925040000**	10
2	WQS 2/16/5	**1925070000**	10
3	ADHB/8 WTL35	**2334730000**	25
4	BFEL + BEMU WEW WTL 35	**1964820000**	20
5	WQV 35/2	**1053060000**	50
6	WS 12/6 MC NE WS	**1609900000**	600
7	TS 35X7.5 LL 2M ST/ZN	**0514500000**	2

WTL 35 — 35 mm²



Width/Height/Depth	mm	16 x 100 x 67.5
max. current / max. cond. cross-section	A	**125 / 35**
Max. clamping range	mm²	**4...35**





Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500			
Rated current	125			
for wire cross-section	35			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B9 / V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	4...16 / 10...35			
Flexible / Flexible with ferrule mm²	4...35 / 4...35			
Tightening torque (clamping screw for copper conductors) -	/ (M 6)			
Tightening torque (separating screw)				
Stripping length / Blade size mm/-	18 / 6.5 x 1.2 mm			

Note

The tightening torque for 16 - 50 mm² stranded conductors is 4.5 Nm.



Ordering data

Version	Type	Qty.	Order No.
with 2 sockets	WTL 35/1STB/WQV	10	1925050000
With socket	WTL 35/2STB	10	1925030000
with Socket	WTL 35/1STB	10	1925060000

Note

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 35/2	138 A	50	1053060000
	WQS 2/16/5		10	1925070000
End bracket				
dark beige	WEW WTL 35		10	1925040000
Cover				
	ADHB/8 WTL35		25	2334730000
Fastenings				
	BFEL + BEMU WEW WTL 35		20	1964820000
Screwdriver				
Standard	SDS 1.2X6.5X150		1	2749390000
Marking tags				
	WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

WDU 2.5/TC — 2.5 mm²



Width/Height/Depth	mm	10.2 x 60 x 50
max. current / max. cond. cross-section	-	/ 2.5
Max. clamping range	mm²	0.13...2.5

Technical data

Rated data		
Rated voltage to adjoining terminal	-	50
Rated current	-	8
for wire cross-section	mm²	2.5 mm²
Rated impulse withstand voltage / Pollution severity		/ 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0
Approvals		SIRA 02ATEX3153 U
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5...2.5 / 1.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	-	/ (M 2.5)
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm

IEC 60584, IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12		2.5 mm²

Rated connection

Note

Ordering data

Version	Type	Qty.	Order No.
(NiCr - Ni) type K	WDU 2.5/TC TYP K	25	1024100000
(Cu - CuNi) type T	WDU 2.5/TC TYP T	25	1024200000
(Fe-CuNi) type J	WDU 2.5/TC TYP J	25	1024300000
(Pt 10% - Pt Rh/Pt 13% - Pt Rh) type SR	WDU 2.5/TC TYP SR	25	1024400000
(Pt 10% Rh - Pt 6% Rh) type B	WDU 2.5/TC TYP B	25	1033700000
(NiCr - CuNi) type E	WDU 2.5/TC TYP E	25	1033300000
(NiSil - Nicrosil) type N	WDU 2.5/TC TYP N	25	1041500000

Note

Accessories

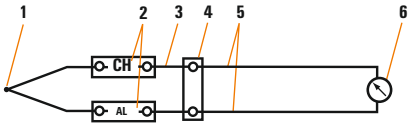
End plate / Partition plate	Type	Qty.	Order No.
dark beige	WAP 2.5-10	50	1050000000
dark beige	WAP 16+35 WTW 2.5-10	20	1050100000
End bracket			
dark beige	WEW 35/2	50	1061200000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044

For detailed information on other accessories and application in the online catalogue

Weidmüller thermocouple terminals are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes, controllers, etc.

- Material of current bar corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Modular width 10 mm

Configuration of a temperature measuring circuit

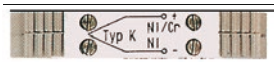
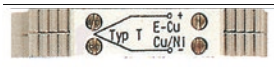
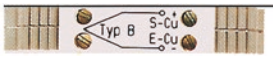
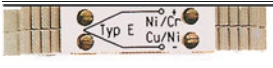


1 Thermocouple (sensor)
2 Thermocouple terminals
3 Compensating conductor
4 Reference junction
5 Supply and return conductors
6 Measuring instrument

The thermocouple terminals shown in this measuring circuit are used for the thermoelectrical transmission of the thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor.
Thermocouple terminals are required for constructing a temperature measuring circuit.

Technical data

Thermocouples to IEC 584 (DIN 43 710)

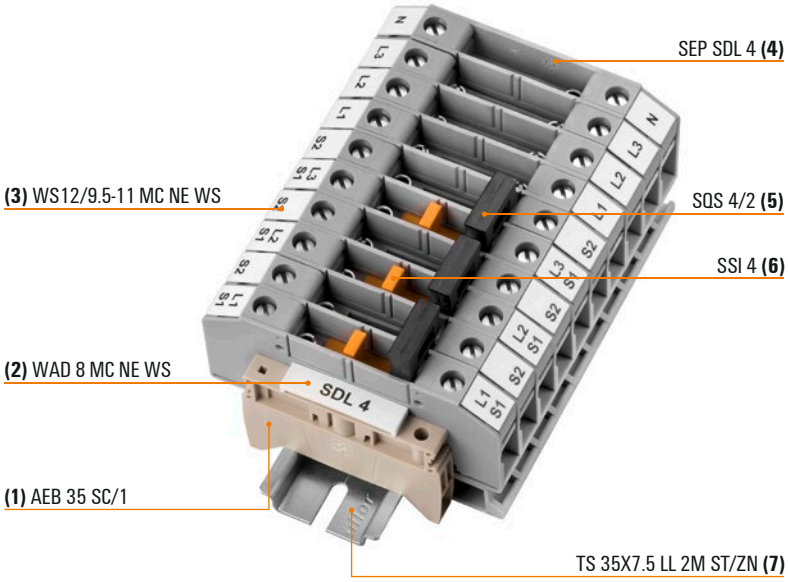
	Current bar
	Cromel Alumel
	E-grade copper Constantan
	Iron Constantan
	E-grade copper/ A-grade copper
	S-grade copper/ E-grade copper
	Cromel- Constantan


VA

Instrument transformer wiring
Threaded stud connection

Test-disconnect terminal blocks

SDL 4

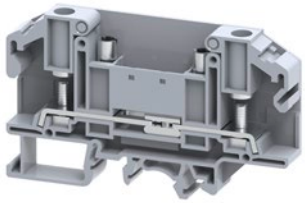


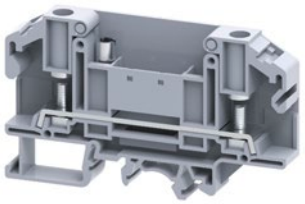
Ordering data

Pos.	Type	Order No.	Qty.
1	AEB 35 SC/1	**1991920000**	50
2	WAD 8 MC NE WS	**1112940000**	48
3	WS 12/9.5-11 MC NE WS	**2484220000**	300
4	SEP SDL 4	**2615020000**	50
5	SQS 4/2	**2615250000**	20
	SQS 4/4	**2615260000**	10
6	SSI 4	**2615270000**	50
7	TS 35X7.5 LL 2M ST/ZN	**0514500000**	2

	SDL 4	6 mm²	SDL 4 FT	6 mm²







Width/Height/Depth	mm	11 x 86 x 51.5	11 x 86 x 51.5
Rated current / max. cond. cross-section	A	**41 / 6 mm²**	**41 / 6 mm²**
Max. clamping range	mm ²	**1.5...6**	**1.5...6**





Technical data

Rated data with Wemid partition wall		IEC 60947-7-1			
		IEC	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	1000			
Rated current	A	41			
for wire cross-section	mm²	6			
Rated impulse withstand voltage / Pollution severity		8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating					
Approvals					
Clamped cable lugs					
Cable lug to DIN 46234		1.5...6 mm²			
2 x cable lugs DIN 46 234		1.5...6 mm²			
Cable lug to DIN 46235		1.5...6 mm²			
2 x cable lugs DIN 46 235		1.5...6 mm²			
Tightening torque		1.2...1.2 Nm			
Note					

		IEC 60947-7-1			
		IEC	**UL**	**CSA**	**EN 60079-7**
		1000			
		41			
		6			
		8 kV / 3			
		1.5...6 mm²			
		1.5...6 mm²			
		1.5...6 mm²			
		1.5...6 mm²			
		1.2...1.2 Nm			

Ordering data

Version		**Type**	**Qty.**	**Order No.**
	dark beige	SDL 4	50	**2614980000**
Note				

Type	**Qty.**	**Order No.**
SDL 4 FT	50	**2614970000**

Accessories

Plug-in cross-connection		**Type**		**Qty.**	**Order No.**
	2-pole	SRQB 4/2	41 A	100	**2615220000**
	3-pole	SRQB 4/3	41 A	50	**2615230000**
	4-pole	SRQB 4/4	41 A	50	**2615240000**
	2-pole	SQS 4/2	41 A	20	**2615250000**
	4-pole	SQS 4/4	41 A	10	**2615260000**
Cross-connection permanent					
	2-pole	SQB 4/2	41 A	100	**2615140000**
	3-pole	SQB 4/3	41 A	50	**2615150000**
	4-pole	SQB 4/4	41 A	50	**2615160000**
End plate					
	dark beige	SEP SDL 4		50	**2615020000**
End bracket					
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**
Screwdriver					
	Standard	SDS 1.0X5.5X150		1	**2749380000**
Marking tags					
		WS 12/9.5-11 MC NE WS		300	**2484220000**

Type		**Qty.**	**Order No.**
SRQB 4/2	41 A	100	**2615220000**
SRQB 4/3	41 A	50	**2615230000**
SRQB 4/4	41 A	50	**2615240000**
SQS 4/2	41 A	20	**2615250000**
SQS 4/4	41 A	10	**2615260000**
SQB 4/2	41 A	100	**2615140000**
SQB 4/3	41 A	50	**2615150000**
SQB 4/4	41 A	50	**2615160000**
SEP SDL 4		50	**2615020000**
AEB 35 SC/1		50	**1991920000**
SDS 1.0X5.5X150		1	**2749380000**
WS 12/9.5-11 MC NE WS		300	**2484220000**

For detailed information on other accessories and application in the online catalogue

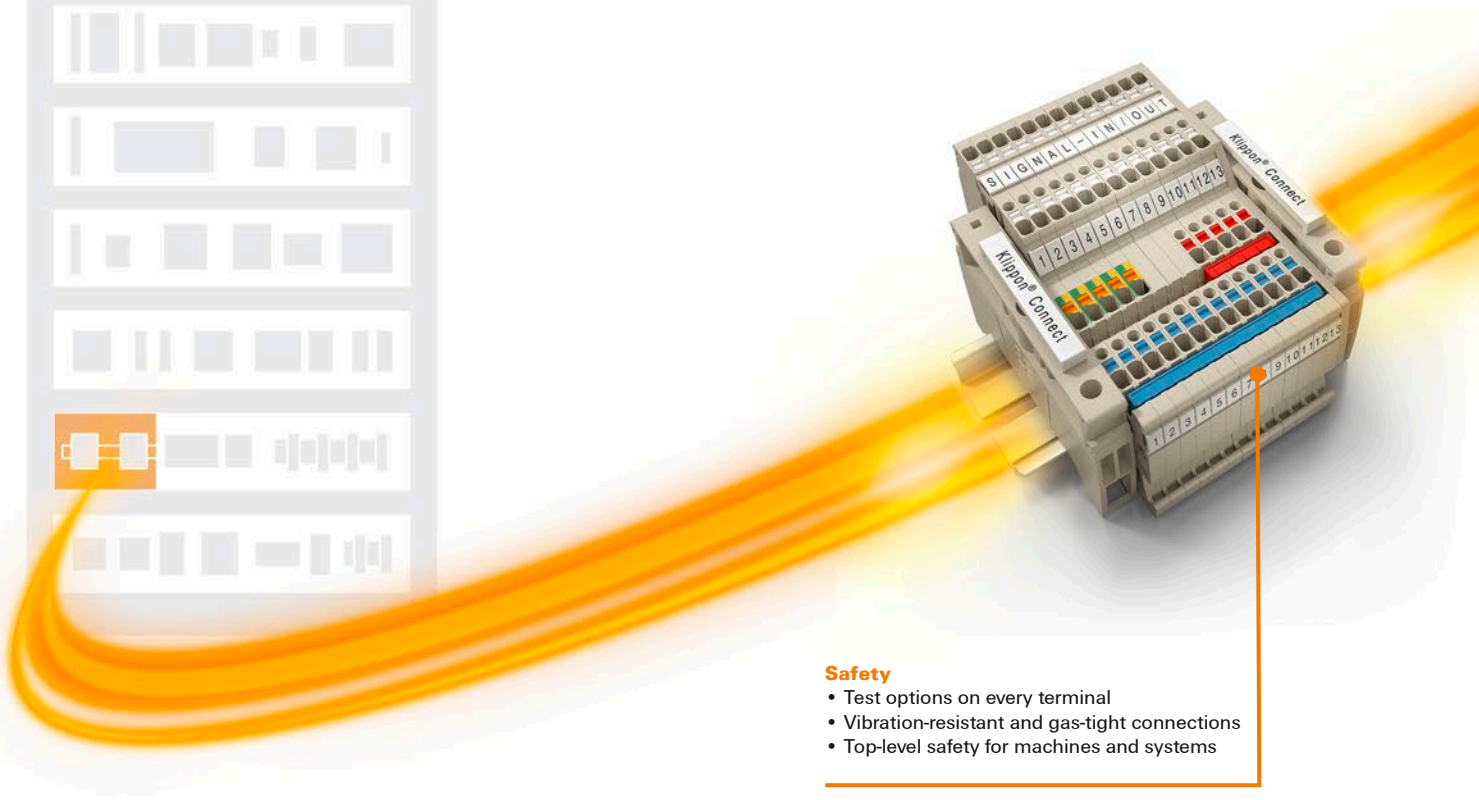
Clear wiring for high-density signalling levels

With Klippon® Connect in the smallest spaces

With the current levels of automation, there are more and more sensors monitoring the production process. This increases the number of signals to be combined and structured. Given the restricted space in the panel, this can become a real challenge. Our application-specific initiator/actuator terminal blocks (AIO) are specially designed for the signal wiring requirements posed by automation now and into the future. You can benefit from tailored, really compact solutions for the structured wiring of initiator and actuator signals with the input and output modules of a programmable logic controller (PLC).

Our promise

With tailored application products, Klippon® Connect offers all the benefits required for structured wiring of initiator and actuator signals. The simple handling and the maximum flexibility in the choice of design meets the requirements for reliable signal wiring simply, efficiently and safely.

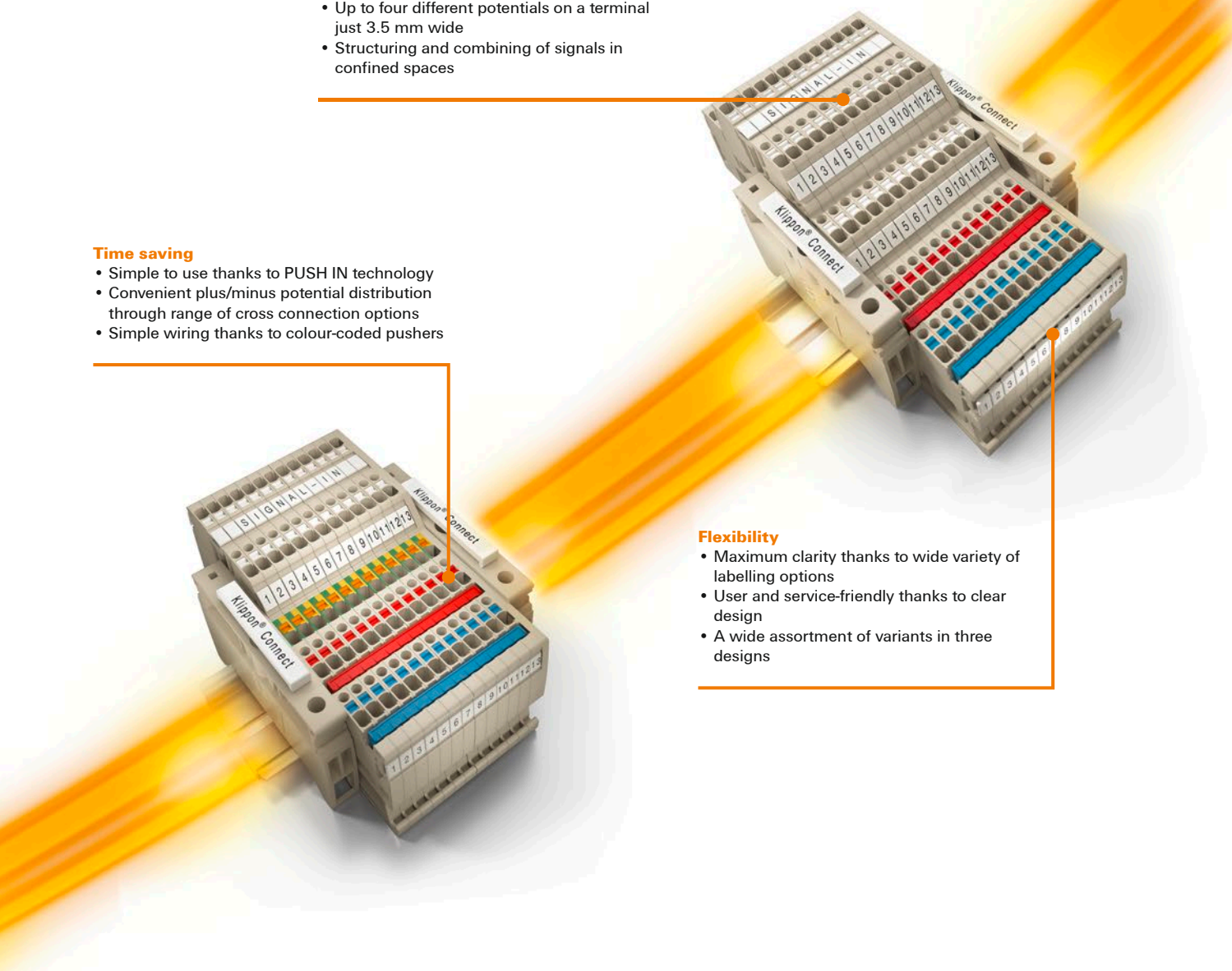


Safety

- Test options on every terminal
- Vibration-resistant and gas-tight connections
- Top-level safety for machines and systems

Space saving
- Up to four different potentials on a terminal just 3.5 mm wide
- Structuring and combining of signals in confined spaces

Time saving
- Simple to use thanks to PUSH IN technology
- Convenient plus/minus potential distribution through range of cross connection options
- Simple wiring thanks to colour-coded pushers

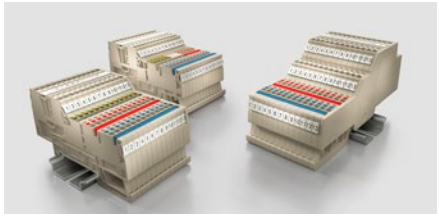


Flexibility
- Maximum clarity thanks to wide variety of labelling options
- User and service-friendly thanks to clear design
- A wide assortment of variants in three designs

Our range



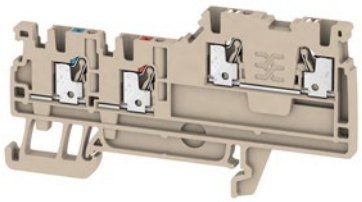
Extreme flexibility in potential distribution:
With our application products, you can achieve effective and safe potential distribution while looping the signals to the I/O system. You can benefit from increased wiring density with more potentials on a single terminal block. This not only saves space, but also reduces the time required to assemble the terminal block.



Free choice of design:
Our application products for signal wiring (AIO) are available in three designs. Depending on the design, you can connect 3- or 4-wire sensors or actuators. The large number of variants, e.g. with built-in PE function, allows maximum flexibility when it comes to designing the signal feed.

AIO – sensor-actuator terminal blocks

AIO21 1.5 SI — 1.5 mm²



Width/Height/Depth	3.5 x 80 x 42 mm
max. current / max. cond. cross-section	13.5 / 1.5 A/mm²
Max. clamping range	0.14...1.5 mm²

In accordance with IEC 60947-7-1 — Ex eb II C GbII 2 G D

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	250	150	150	220 V
Rated current	13.5	13	13	12 A
for wire cross-section	1.5	AWG 26...14	AWG 26...14	1.5 mm²
Rated impulse withstand voltage / Pollution severity	4 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0			
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded	0.5...1.5 / 0.5...1.5 mm²
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1 mm²
Stripping length / Blade size	8 / 0.4 x 2.0 mm mm/-

Note

Approval in progress

Ordering data

Version	Type	Qty.	Order No.
dark beige	AIO21 1.5 SI	100	1992260000
Orange	AIO21 1.5 SI OR	100	2579610000

Note

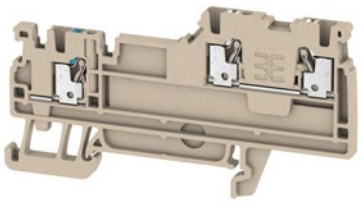
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	1985650000
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	1985800000
2-pole / blue	ZQV 1.5N/2 BL	17.5 A	60	1985530000
10-pole/ blue	ZQV 1.5N/10 BL	17.5 A	20	1985680000
End plate				
	AEP IO21		50	1993580000
End bracket				
dark beige, screwable	AEB 35 SC/1		50	1991920000
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 1.5 MI-R	0.2 A	50	1991880000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDS 0.4X2.0X60		1	2749260000
Marking tags				
	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000
	DEK 5/3.5 PLUS MC NE WS		1600	2003750000
	WS 10/3.5 PLUS MC NE WS		960	2003760000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

AIO21 1.5 SO — 1.5 mm²



Width/Height/Depth	3.5 x 80 x 42 mm
max. current / max. cond. cross-section	13.5 / 1.5 A/mm²
Max. clamping range	0.14...1.5 mm²

In accordance with IEC 60947-7-1 — Ex eb II C GbII 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	250	150	150	220 V
Rated current	13.5	13	13	12 A
for wire cross-section	1.5	AWG 26...14	AWG 26...14	1.5 mm²
Rated impulse withstand voltage / Pollution severity	4 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0			
Approvals				

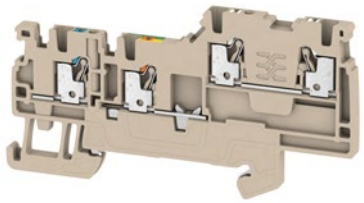
Rated connection
0.5...1.5 / 0.5...1.5 mm²
0.5...1.5 / 0.5...1 mm²
8 / 0.4 x 2.0 mm mm/-

Approval in progress

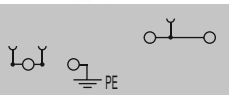
Type		Qty.	Order No.
AIO21 1.5 SO		100	1992240000
AIO21 1.5 SO OR		100	2579570000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP IO21		50	1993580000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MI-R	0.2 A	50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	2749260000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
WS 10/3.5 PLUS MC NE WS		960	2003760000

All MultiMark variants (MM) = strip markers

AIO21 1.5 SO-PE — 1.5 mm²



3.5 x 80 x 42
13.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1 — Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm²
4 kV / 3			
A1 / V-0			

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

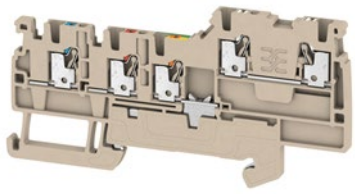
Approval in progress

Type	Qty.	Order No.
AIO21 1.5 SO-PE	100	**1992250000**
AIO21 1.5 SO-PE OR	100	**2579580000**

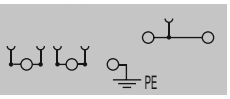
Type		Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP IO21		50	**1993580000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 1.5 MI-R	0.2 A	50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**2749260000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**

All MultiMark variants (MM) = strip markers

AIO22 1.5 SI-PE — 1.5 mm²



3.5 x 89 x 45
13.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1 — Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm²
4 kV / 3			
A1 / V-0			

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

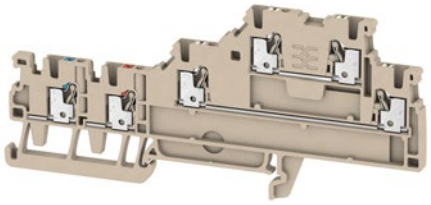
Approval in progress

Type	Qty.	Order No.
AIO22 1.5 SI-PE	100	**1992230000**
AIO22 1.5 SI-PE OR	100	**2579640000**

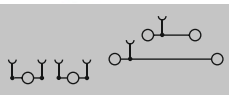
Type		Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP IO22		50	**1993590000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 1.5 MI-R	0.2 A	50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**2749260000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**

All MultiMark variants (MM) = strip markers

AIO23 1.5 2SI — 1.5 mm²



3.5 x 110 x 49.5
13.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1 — Ex eb II C GbII 2 G D

IEC	UL	CSA	EN 60079-7
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm²
4 kV / 3			
A1 / V-0			

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

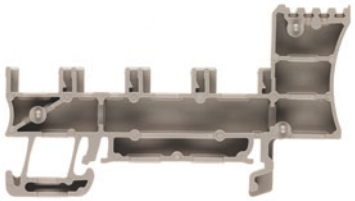
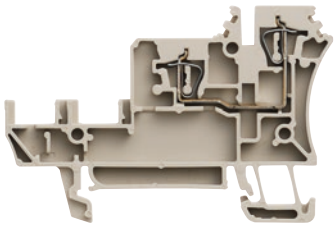
Approval in progress

Type	Qty.	Order No.
AIO23 1.5 2SI	100	**1992220000**
AIO23 1.5 2SI OR	100	**2579620000**

Type		Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP IO23		50	**1993600000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 1.5 MI-R	0.2 A	50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**2749260000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**

All MultiMark variants (MM) = strip markers

Signal wiring
Tension clamp connection

	ZPV 1.5	ZIA 1.5/3 L...
	1.5 mm²	1.5 mm²
	Flange-mounted housing	Base element 4-wire
		
Width/Height/Depth mm	5.1 x 67.8 x 38.35	5.08 x 68.5 x 45.5
max. current / max. cond. cross-section -/-		/ 2.5
Max. clamping range -		0.13...2.5

Technical data

	ZPV 1.5	ZIA 1.5/3 L...
Rated data	IEC 60947-7-1	In accordance with IEC 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	250 / 300	250 / 300 / 300
Max. voltage of clamp support & pluggable system -		
Rated current A	17.5 / 10	17.5 / 10 / 10
for wire cross-section mm²	1.5 / AWG 26...14 / AWG 26...14	1.5 / AWG 26...14 / AWG 26...14
Rated impulse withstand voltage / Pollution severity	4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	/ V-0	A1 / V-0
Approvals	CE SEV EAC UL	CE SEV EAC UL
Clamped conductors (H05V/H07V)		
Rated connection		
Solid / Stranded -		0.5...2.5
Flexible / Flexible with ferrule -		0.5...2.5 / 0.5...1.5
Stripping length / Blade size mm/-	7 /	7 / 0.6 x 3.5 mm
Note		Bi-directional LED in ZIA 1.5/3L-1/LD (1651990000)

Ordering data

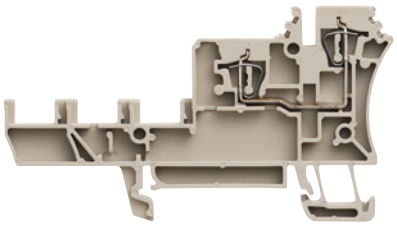
Version	ZPV 1.5 Type	Qty.	Order No.	ZIA 1.5/3 L... Type	Qty.	Order No.
Base terminal	ZPV 1.5	100	1676630000	ZIA 1.5/3L-1S	100	1651980000
Base terminal with LED				ZIA 1.5/3L-1S/LD-RT	50	1651990000
PE base terminal				ZIA 1.5/3L-PE	20	1652000000
Note	ZVL 1.5 0.QV = distribution strip without internal bridge for park position.			ZVL 1.5 0.QV = distribution strip without internal bridge for park position.		

Accessories

	ZPV 1.5 Type	Qty.	Order No.	ZIA 1.5/3 L... Type	Qty.	Order No.
Plug-in cross-connection						
2-pole				ZQV 2.5/2	24 A 60	1608860000
3-pole				ZQV 2.5/3	24 A 60	1608870000
4-pole				ZQV 2.5/4	24 A 60	1608880000
10-pole				ZQV 2.5/10	24 A 20	1608940000
50-pole				ZQV 2.5/50	24 A 10	1697540000
Reducing sleeves						
for conductors < 0.5 mm² / AWG 20				ZRH 1.5N/1	1000	1632140000
for conductors < 1.0 mm² / AWG 18				ZRH 1.5N/2	1000	1632130000
End plate / Partition plate						
dark beige	ZAP/TW ZPV1.5	50	1674650000	ZAP/TW ZIA1.5/3L	50	1649540000
With spigot						
Without peg						
Screwdriver						
Standard	SDIS SLIM 0.6X3.5X100	1	2749610000	SDIS SLIM 0.6X3.5X100	1	2749610000
Marking tags						
	DEK 5/5 MC NE WS	1000	1609801044	DEK 5/5 MC NE WS	1000	1609801044
	WS 12/5 MC NE WS	720	1609860000			
For detailed information on other accessories and application in the online catalogue	For holding the ZVL 1.5 distribution strip					

ZIA 1.5/4 L... — 1.5 mm²

Base element 4-wire



ZVL 1.5 — 1.5 mm²

Distribution strip



Width/Height/Depth	mm	5.08 x 81.5 x 45.5	5.08 x 12.9 x 17.45
max. current / max. cond. cross-section	-/mm²	/ 2.5	/ 2.5
Max. clamping range	mm²	0.13...2.5	0.13...2.5

Technical data

Rated data		In accordance with IEC 60947-7-1				IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	300	300		250	300	300	
Max. voltage of clamp support & pluggable system	-								
Rated current	A	17.5	10	10		17.5	10	10	
for wire cross-section	mm²	1.5	AWG 26...14	AWG 26...14		1.5	AWG 26...14	AWG 26...14	
Rated impulse withstand voltage / Pollution severity		4 kV / 3				4 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A1 / V-0				A2 / V-0			
Approvals		CE SEV EAC UL				CE SEV UL			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...2.5				0.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5				0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-	7 / 0.6 x 3.5 mm				7 / 0.6 x 3.5 mm			
Note		Bi-directional LED in ZIA 1.5/4L-1/LD (1652020000)							

Ordering data

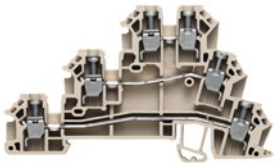
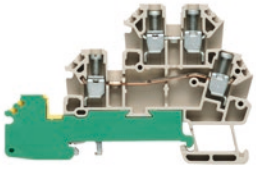
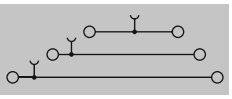
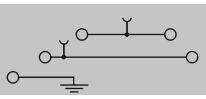
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige				ZVL 1.5	100	1649300000
dark beige				ZVL 1.5 0.QV	100	1711930000
Blue				ZVL 1.5 BL	100	1650360000
Green/yellow				ZVL 1.5/PE GN/GE BED	100	1651970000
Base terminal	ZIA 1.5/4L-1S	100	1652010000			
Base terminal with LED	ZIA 1.5/4L-1S/LD	50	1652020000			
PE base terminal	ZIA 1.5/4L-PE	20	1652030000			
Brown				ZVL 1.5 BR	100	1650370000
Note	ZVL 1.5 0.QV = distribution strip without internal bridge for park position.			ZVL 1.5 0.QV = distribution strip without internal bridge for park position.		

Accessories

Plug-in cross-connection	Type		Qty.	Order No.	Type	Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000			
3-pole	ZQV 2.5/3	24 A	60	1608870000			
4-pole	ZQV 2.5/4	24 A	60	1608880000			
10-pole	ZQV 2.5/10	24 A	20	1608940000			
50-pole	ZQV 2.5/50	24 A	10	1697540000			
Reducing sleeves							
for conductors < 1.0 mm² / AWG 18	ZRH 1.5N/2		1000	1632130000	ZRH 1.5N/2	1000	1632130000
for conductors < 0.5 mm² / AWG 20	ZRH 1.5N/1		1000	1632140000	ZRH 1.5N/1	1000	1632140000
End plate / Partition plate							
dark beige	ZAP/TW ZIA1.5/4L		50	1649550000			
Without peg					BZT ZVL1.5/0.ZA	100	1676620000
With spigot					BZT ZVL1.5	100	1676610000
Screwdriver							
Standard	SDIS SLIM 0.6X3.5X100		1	2749610000	SDIS SLIM 0.6X3.5X100	1	2749610000
Marking tags							
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS	1000	1609801044

For detailed information on other accessories and application in the online catalogue

Integrated cross-connectors.
Distribution strip for base element ZPV 1.5 Order no. 1676630000

	DLD 2.5	DLD 2.5 PE
	2.5 mm²	2.5 mm²
	Voltage supply	Lower level earthed
		
Width/Height/Depth mm	6.2 x 82.5 x 48.5	6.1 x 74.5 x 48.5
max. current / max. cond. cross-section A/mm²	24 / 4	17.5 / 4
Max. clamping range mm²	0.13...4 	0.13...4 

Technical data

Rated data				
Rated voltage V	IEC 60947-7-1			
Rated current A	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	250	300	300	
Rated impulse withstand voltage / Pollution severity	24	10	10	
Gauge to IEC 60947-1 / UL 94 flammability rating	2.5	AWG 26...12	AWG 26...12	
Approvals	4 kV / 3			
	A3 / V-0			
	CE GL EAC cULus			
Electronic fixtures				
Component voltage / Component current -/-				
Operating voltage for display, max. / Current -/-				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4 / 0.5...4			
Flexible / Flexible with ferrule mm²	0.5...4			
Tightening torque (clamping screw for copper conductors) -	/ (M 2.5)			
Stripping length / Blade size mm/-	7 / 0.6 x 3.5 mm			
Note	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.			

	IEC 60947-7-1			
	IEC	UL	CSA	EN 60079-7
	250	300	300	
	17.5	10	10	
	2.5	AWG 26...12	AWG 26...12	
	4 kV / 3			
	A3 / V-0			
	CE GL EAC cULus			
Rated connection				
	0.5...4 / 0.5...4			
	0.5...4			
	/ (M 2.5)			
	7 / 0.6 x 3.5 mm			
	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.			

Ordering data

Version	Type	Qty.	Order No.
dark beige	DLD 2.5 DB	50	1784180000
dark beige (red LED)			
dark beige (green LED)			
Note	Variant in blue, Order no. 6269250000 (qty. 50)		

Type	Qty.	Order No.
DLD 2.5/PE DB	50	1783790000

Accessories

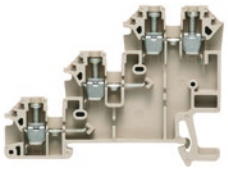
Screwable cross-connection				
2-pole	Q 2 DLI	24 A	50	1312500000
3-pole	Q 3 DLI	24 A	50	1312600000
4-pole	Q 4 DLI	24 A	50	1312700000
10-pole	Q 10 DLI	24 A	20	1313100000
Cross-connector				
black	VQB 1.5/50 SW		5	1635120000
red	VQB 1.5/50 RT		5	1633290000
blue	VQB 1.5/50 BL		5	1633280000
End plate / Partition plate				
dark beige	AP DLI2.5 DB		20	1783550000
End bracket				
dark beige	EW 35		50	0383560000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Small partition				
Small partition	TSCH 1		100	0319160000
Marking tags				
	DEK 5/6 MC NE WS		1000	1609820000

	Type		Qty.	Order No.
	Q 2 DLI	24 A	50	1312500000
	Q 3 DLI	24 A	50	1312600000
	Q 4 DLI	24 A	50	1312700000
	Q 10 DLI	24 A	20	1313100000
	VQB 1.5/50 SW		5	1635120000
	VQB 1.5/50 RT		5	1633290000
	VQB 1.5/50 BL		5	1633280000
	AP DLD2.5/PE DB		20	1783800000
	EW 35		50	0383560000
	SDS 0.6X3.5X100		1	2749340000
	TSCH 1		100	0319160000
	DEK 5/6 MC NE WS		1000	1609820000

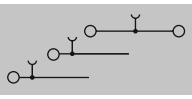
For detailed information on other accessories and application in the online catalogue	TEAP DLD2.5 DB partial end plate, Order no. 1784220000 (20 pcs.)	TEAP DLD2.5/PE DB partial end plate, Order no. 1783810000 (20 pcs.)

DLI 2.5 — 2.5 mm²

Initiator connection (signal,+,-)



6.1 x 66 x 48.5
32 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

CE cULus EAC

Rated connection
0.5...4 / 1.5...4
0.5...4
/ (M 2.5)
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped.

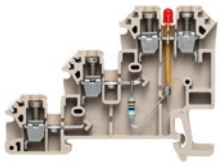
Type	Qty.	Order No.
DLI 2.5 DB	100	**1783820000**

Type		Qty.	Order No.
Q 2 DLI	24 A	50	**1312500000**
Q 3 DLI	24 A	50	**1312600000**
Q 4 DLI	24 A	50	**1312700000**
Q 10 DLI	24 A	20	**1313100000**
VQB 1.5/50 SW		5	**1635120000**
VQB 1.5/50 RT		5	**1633290000**
VQB 1.5/50 BL		5	**1633280000**
AP DLI2.5 DB		20	**1783550000**
EW 35		50	**0383560000**
SDS 0.6X3.5X100		1	**2749340000**
TSCH 1		100	**0319160000**
DEK 5/6 MC NE WS		1000	**1609820000**

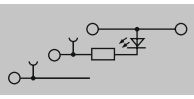
StB 8.5 socket in upper busbar (together with PS 2.3 test plug)

DLI 2.5 LD PNP — 2.5 mm²

Initiator connection with LED



6.1 x 66 x 48.5
24 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
	0.8 kV / 3		
	A3 / V-0		

CE cULus EAC

30 / 5

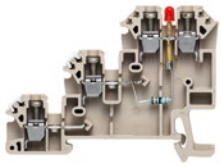
Rated connection
0.5...4 / 1.5...4
0.5...4
/ (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLI 2.5/LD-RT/PNP +- DB	50	**1783980000**
DLI 2.5/LD-GN/PNP +- DB	50	**1783970000**

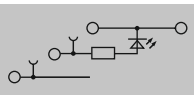
Type		Qty.	Order No.
Q 2 DLI	24 A	50	**1312500000**
Q 3 DLI	24 A	50	**1312600000**
Q 4 DLI	24 A	50	**1312700000**
Q 10 DLI	24 A	20	**1313100000**
VQB 1.5/50 SW		5	**1635120000**
VQB 1.5/50 RT		5	**1633290000**
VQB 1.5/50 BL		5	**1633280000**
AP DLI2.5 DB		20	**1783550000**
EW 35		50	**0383560000**
SDS 0.6X3.5X100		1	**2749340000**
TSCH 1		100	**0319160000**
DEK 5/6 MC NE WS		1000	**1609820000**

DLI 2.5 LD NPN — 2.5 mm²

Initiator connection with LED



6.1 x 66 x 48.5
24 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
	0.8 kV / 3		
	A3 / V-0		

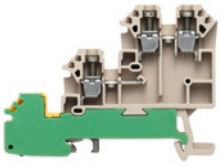
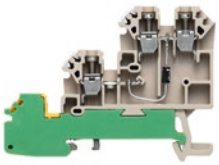
CE cULus EAC

30 / 5

Rated connection
0.5...4 / 1.5...4
0.5...4
/ (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLI 2.5/LD-RT/NPN -+ DB	50	**1783950000**
DLI 2.5/LD-GN/NPN -+ DB	50	**1783940000**

Type		Qty.	Order No.
Q 2 DLI	24 A	50	**1312500000**
Q 3 DLI	24 A	50	**1312600000**
Q 4 DLI	24 A	50	**1312700000**
Q 10 DLI	24 A	20	**1313100000**
VQB 1.5/50 SW		5	**1635120000**
VQB 1.5/50 RT		5	**1633290000**
VQB 1.5/50 BL		5	**1633280000**
AP DLI2.5 DB		20	**1783550000**
EW 35		50	**0383560000**
SDS 0.6X3.5X100		1	**2749340000**
TSCH 1		100	**0319160000**
DEK 5/6 MC NE WS		1000	**1609820000**

	DLA 2.5	DLA 2.5/D
	2.5 mm²	2.5 mm²
	Actuator connection (signal,-,PE)	Actuator connection (circuit with diode)
		
Width/Height/Depth mm	6.1 x 65 x 48.5	6.1 x 66 x 48.5
max. current / max. cond. cross-section A/mm²	**26 / 4**	**17.5 / 4**
Max. clamping range mm²	**0.13...4**	**0.13...4**

Technical data

	DLA 2.5	DLA 2.5/D
Rated data		
Rated voltage V	IEC 60947-7-1 (-7-2)	IEC 60947-7-1 (-7-2)
Rated current A	250	250
for wire cross-section mm²	17.5	17.5
Rated impulse withstand voltage / Pollution severity	2.5	2.5
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Electronic fixtures		
Component voltage / Component current -/-		1000 / 1
Operating voltage for display, max. / Current -/-		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4	0.5...4
Tightening torque (clamping screw for copper conductors) -	/ (M 2.5)	/ (M 2.5)
Stripping length / Blade size mm/-	7 / 0.6 x 3.5 mm	7 / 0.6 x 3.5 mm
Note	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Ordering data

Version	DLA 2.5	DLA 2.5/D
	Type / Qty. / Order No.	Type / Qty. / Order No.
dark beige	DLA 2.5 DB / 100 / **1783560000**	DLA 2.5/D DB / 100 / **1783590000**
dark beige (red LED)		
dark beige (green LED)		
Note		

Accessories

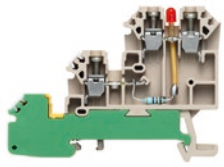
	DLA 2.5	DLA 2.5/D
	Type / Qty. / Order No.	Type / Qty. / Order No.
Screwable cross-connection		
2-pole	Q 2 DLI 24 A / 50 / **1312500000**	Q 2 DLI 24 A / 50 / **1312500000**
3-pole	Q 3 DLI 24 A / 50 / **1312600000**	Q 3 DLI 24 A / 50 / **1312600000**
4-pole	Q 4 DLI 24 A / 50 / **1312700000**	Q 4 DLI 24 A / 50 / **1312700000**
10-pole	Q 10 DLI 24 A / 20 / **1313100000**	Q 10 DLI 24 A / 20 / **1313100000**
Cross-connector		
black	VQB 1.5/50 SW / 5 / **1635120000**	VQB 1.5/50 SW / 5 / **1635120000**
red	VQB 1.5/50 RT / 5 / **1633290000**	VQB 1.5/50 RT / 5 / **1633290000**
blue	VQB 1.5/50 BL / 5 / **1633280000**	VQB 1.5/50 BL / 5 / **1633280000**
End plate / Partition plate		
dark beige	AP DLI2.5 DB / 20 / **1783550000**	AP DLI2.5 DB / 20 / **1783550000**
End bracket		
dark beige	EW 35 / 50 / **0383560000**	EW 35 / 50 / **0383560000**
Screwdriver		
Standard	SDS 0.6X3.5X100 / 1 / **2749340000**	SDS 0.6X3.5X100 / 1 / **2749340000**
Small partition		
Small partition	TSCH 1 / 100 / **0319160000**	TSCH 1 / 100 / **0319160000**
Marking tags		
	DEK 5/6 MC NE WS / 1000 / **1609820000**	DEK 5/6 MC NE WS / 1000 / **1609820000**

For detailed information on other accessories and application in the online catalogue

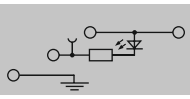
DLA 2.5/LD

2.5 mm²

Actuator connection with LED



6.1 x 66 x 48.5
17.5 / 4
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
30		30	
17.5		10	
2.5	AWG 26...12	AWG 26...12	
	0.8 kV / 3		
	A3 / V-0		

CE cULus EAC

30 / 5

Rated connection
0.5...4 / 1.5...4
0.5...4
/ (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLA 2.5/LD-RT DB	50	**1783600000**

Type		Qty.	Order No.
Q 2 DLI	24 A	50	**1312500000**
Q 3 DLI	24 A	50	**1312600000**
Q 4 DLI	24 A	50	**1312700000**
Q 10 DLI	24 A	20	**1313100000**
VQB 1.5/50 SW		5	**1635120000**
VQB 1.5/50 RT		5	**1633290000**
VQB 1.5/50 BL		5	**1633280000**
AP DLI2.5 DB		20	**1783550000**
EW 35		50	**0383560000**
SDS 0.6X3.5X100		1	**2749340000**
TSCH 1		100	**0319160000**
DEK 5/6 MC NE WS		1000	**1609820000**

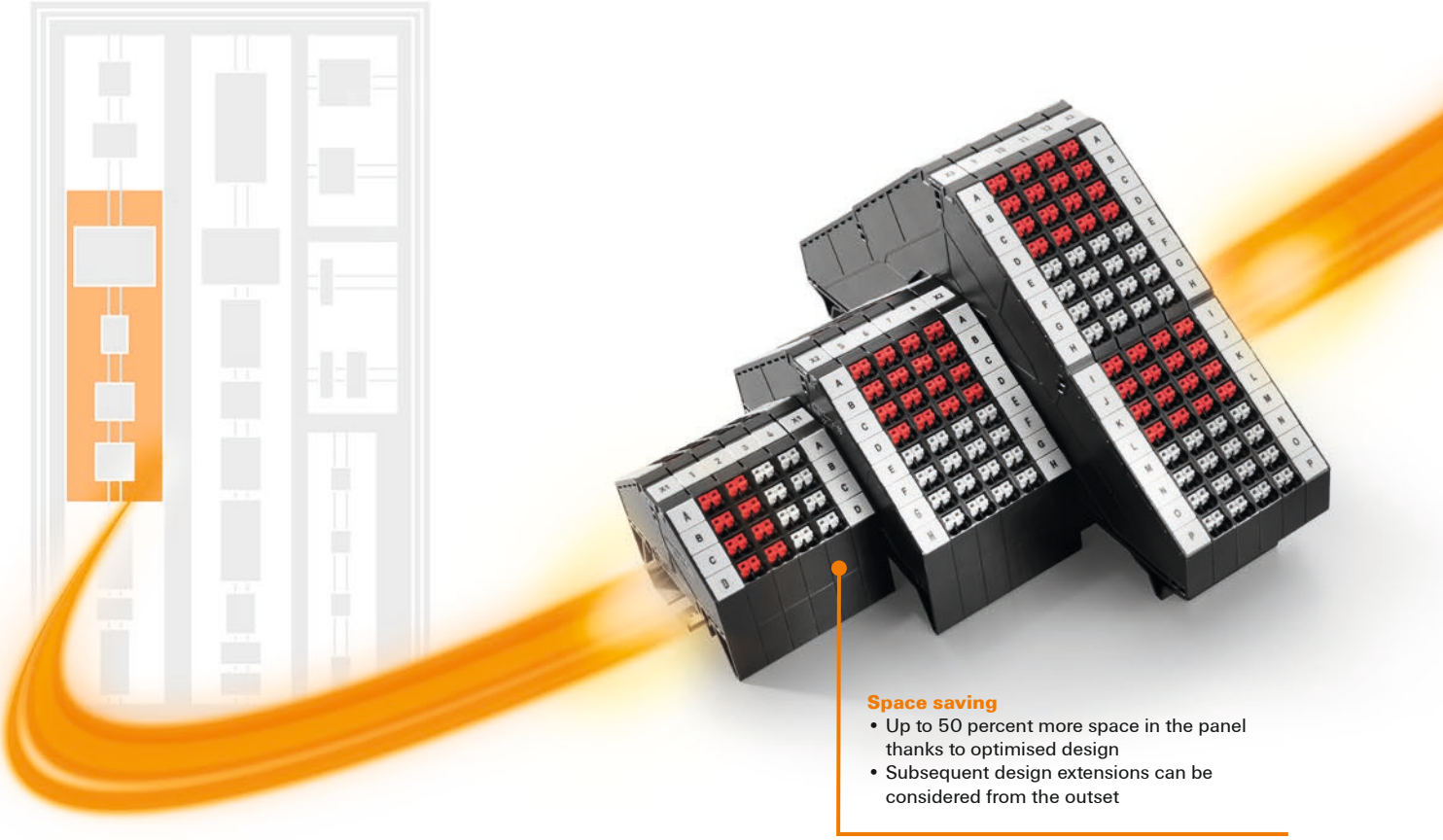
Space-saving connection of process control systems

Efficient marshalling and distribution with Klippon® Connect signals

Increasingly complex requirements for automation processes and increasing demands in terms of monitoring and recording operational data have led to an ever-increasing number of sensors in the field for process technology. This means that space- and time-saving wiring of signals in Signal marshalling panels in the process and energy generation industries is becoming increasingly demanding. Our terminal blocks for Signal marshalling enable extremely compact yet clear panel design. The additional signals for automation can be easily connected and processed.

Our promise

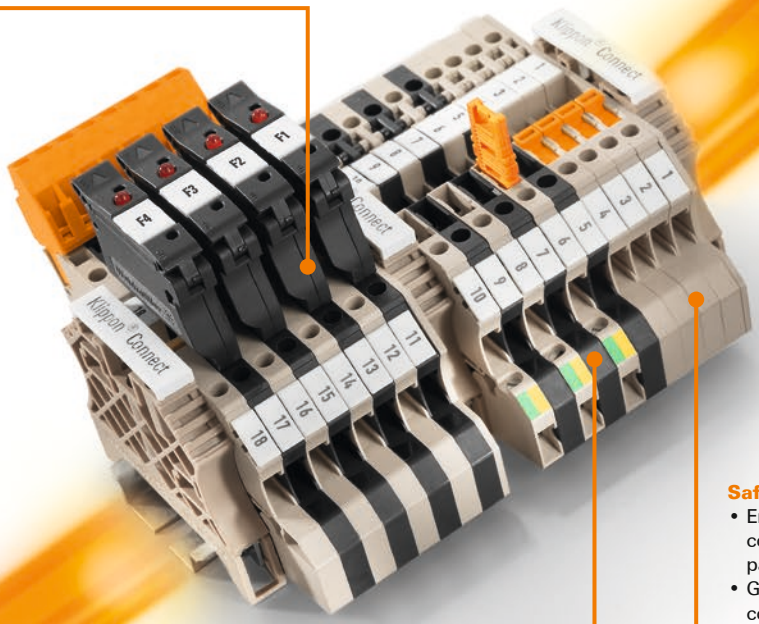
With our terminal blocks for Signal marshalling, you have maximum flexibility from the planning phase: potential later extensions can be planned in from the start. This means that Klippon® Connect saves you time and money and considerably improves productivity.



Space saving

- Up to 50 percent more space in the panel thanks to optimised design
- Subsequent design extensions can be considered from the outset

Time saving
- Use of pre-assembled cable sets with pluggable BLZ connectors saves valuable wiring time
- Quick and convenient fuse changes thanks to fuse holder with pivoting fuse lever



Safety
- Error-free assignment of signals, based on a colour-coded matrix structure and printed partition plates
- Guarantees vibration-resistant and gas-tight connections
- Protection from electromagnetic influences
- Consistently low contact resistance thanks to innovative V-shaped current bars

Flexibility
- All the important terminal block functions in a single design
- More flexibility in potential distribution thanks to three cross-connection channels
- Setup of an additional shield potential next to the neutral conductor is possible with ZQV standard cross connections

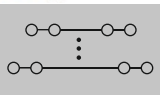
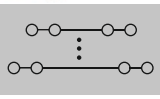
Our range



Unique design for plenty of space:
Our PUSH IN terminal blocks for Signal marshalling (PRV) with up to 16 connection levels are specially designed to meet the requirements for wiring initiator and actuator signals in process control engineering. The optimised design guarantees a space saving of up to 50 percent in the panel. And the unique V-shape of the current bars ensures consistently low contact resistances.



One solution for all requirements:
The WMF-Series of screw connection terminals is a multi-functional solution for the marshalling and distribution of signals. Feed-through, fuse and disconnector function plus an additional shield connection are included in one design.

	PRV 4 RT	1.5 mm²	PRV 4 WS	1.5 mm²
	PUSH IN		PUSH IN	
				
Width/Height/Depth mm	9.2 x 70 x 54.5		9.2 x 70 x 54.5	
max. current / max. cond. cross-section A/mm²	**13 / 1.5**		**13 / 1.5**	
Max. clamping range mm²	**0.13...1.5**		**0.13...1.5**	

Technical data

	PRV 4 RT				PRV 4 WS			
Rated data					IEC 60947-7-1, DIN EN 60079			
	IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage -	250	300	300		250	300	300	
Rated current A	10	10	10		10	10	10	
for wire cross-section mm²	1.5	16	AWG 26...16		1.5	16	AWG 26...16	
Rated impulse withstand voltage / Pollution severity			4 kV / 3				4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0				/ V-0	
Approvals	CE GL cULus EAC				CE GL cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**				**Rated connection**			
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Twin wire-end ferrule -								
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note								

Ordering data

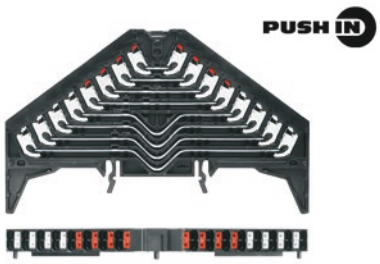
Version	PRV 4 RT			PRV 4 WS		
	Type	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
black for TS 35x15	PRV 4 SW 35X15 RT	20	**1173810000**	PRV 4 SW 35X15 WS	20	**1173820000**
blue for TS 35x15	PRV 4 BL 35X15 RT	20	**1267890000**	PRV 4 BL 35X15 WS	20	**1173920000**
black for TS 35x7.5	PRV 4 SW 35X7.5 RT	20	**1173830000**	PRV 4 SW 35X7.5 WS	20	**1173840000**
blue for TS 35x7.5	PRV 4 BL 35X7.5 RT	20	**1267900000**	PRV 4 BL 35X7.5 WS	20	**1173930000**
Note	RT = red actuators			WS = white actuators		

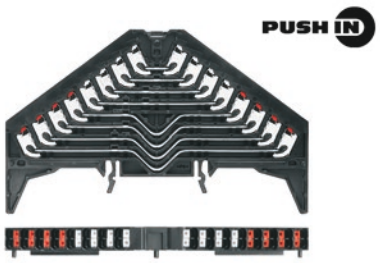
Accessories

End plate	PRV 4 RT			PRV 4 WS		
	Type	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
black	PAP PRV/PPV4 SW	10	**1173750000**	PAP PRV/PPV4 SW	10	**1173750000**
blue	PAP PRV/PPV4 BL	10	**1268010000**	PAP PRV/PPV4 BL	10	**1268010000**
grey	PAP PRV/PPV4 GR	10	**1211450000**	PAP PRV/PPV4 GR	10	**1211450000**
Marker holder						
black for TS 35x15	BZT PRV4 SW 35X15	20	**1173590000**	BZT PRV4 SW 35X15	20	**1173590000**
blue for TS 35x15	BZT PRV4 BL 35X15	20	**1267980000**	BZT PRV4 BL 35X15	20	**1267980000**
black for TS 35x7.5	BZT PRV4 SW 35X7.5	20	**1173600000**	BZT PRV4 SW 35X7.5	20	**1173600000**
blue for TS 35x7.5	BZT PRV4 BL 35X7.5	20	**1267990000**	BZT PRV4 BL 35X7.5	20	**1267990000**
Spacer						
Unprinted	TW PRV4	10	**1173700000**	TW PRV4	10	**1173700000**
Printed 0...3 or 0...7 or 0...15	TW PRV4 0-3	10	**1230060000**	TW PRV4 0-3	10	**1230060000**
Printed 1...4 or 1...8 or 1...16	TW PRV4 1-4	10	**1230050000**	TW PRV4 1-4	10	**1230050000**
Printed A...D or A...H or A...P	TW PRV4 A-D	10	**1230070000**	TW PRV4 A-D	10	**1230070000**
End bracket						
black	ZEW 35/2 SW	20	**1162610000**	ZEW 35/2 SW	20	**1162610000**
Screwdriver						
Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Plug-in cross-connection						
2-pole	SRC-I QV P	10	**8870840000**	SRC-I QV P	10	**8870840000**
Marking tags						
	WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**	WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**

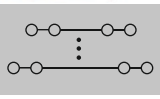
For detailed information on other accessories and application in the online catalogue

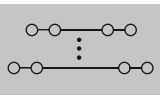
	PRV 8 RT/WS	1.5 mm²	PRV 8 WS/RT	1.5 mm²





Width/Height/Depth	mm	9.2 x 120 x 73	9.2 x 120 x 73
max. current / max. cond. cross-section	A/mm²	**10 / 1.5**	**10 / 1.5**
Max. clamping range	mm²	**0.13...1.5**	**0.13...1.5**





Technical data

Rated data					IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	-	250	300	300		250	300	300	
Rated current	A	8	10	10		8	10	10	
for wire cross-section	mm²	1.5	16	AWG 26...16		1.5	16	AWG 26...16	
Rated impulse withstand voltage / Pollution severity				4 kV / 3				4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				/ V-0				/ V-0	
Approvals		CE GL cULus EAC				CE GL cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Twin wire-end ferrule	-								
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note									

Ordering data

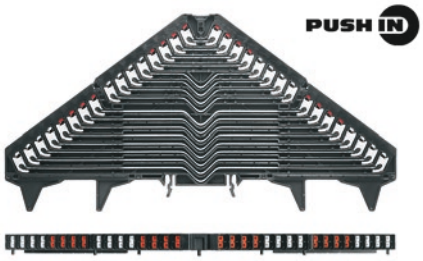
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	black for TS 35x15	PRV 8 SW 35X15 RT/WS	20	**1173740000**	PRV 8 SW 35X15 WS/RT	20	**1173780000**
	blue for TS 35x15	PRV 8 BL 35X15 RT/WS	20	**1267830000**	PRV 8 BL 35X15 WS/RT	20	**1173900000**
	black for TS 35x7.5	PRV 8 SW 35X7.5 RT/WS	20	**1173790000**	PRV 8 SW 35X7.5 WS/RT	20	**1173800000**
	blue for TS 35x7.5	PRV 8 BL 35X7.5 RT/WS	20	**1267840000**	PRV 8 BL 35X7.5 WS/RT	20	**1173910000**
Note		RT = red actuators WS = white actuators			RT = red actuators WS = white actuators		

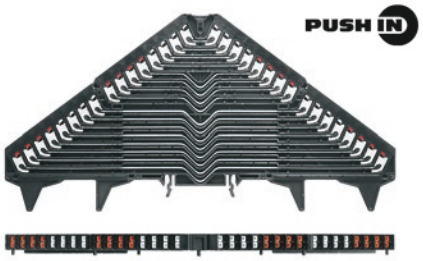
Accessories

End plate		Type	Qty.	Order No.	Type	Qty.	Order No.
	black	PAP PRV/PPV8 SW	10	**1173720000**	PAP PRV/PPV8 SW	10	**1173720000**
	blue	PAP PRV/PPV8 BL	10	**1268000000**	PAP PRV/PPV8 BL	10	**1268000000**
	grey	PAP PRV/PPV8 GR	10	**1211460000**	PAP PRV/PPV8 GR	10	**1211460000**
Marker holder							
	black for TS 35x15	BZT PRV8 SW 35X15	20	**1173570000**	BZT PRV8 SW 35X15	20	**1173570000**
	blue for TS 35x15	BZT PRV8 BL 35X15	20	**1267950000**	BZT PRV8 BL 35X15	20	**1267950000**
	black for TS 35x7.5	BZT PRV8 SW 35X7.5	20	**1173580000**	BZT PRV8 SW 35X7.5	20	**1173580000**
	blue for TS 35x7.5	BZT PRV8 BL 35X7.5	20	**1267970000**	BZT PRV8 BL 35X7.5	20	**1267970000**
Spacer							
	Unprinted	TW PRV8	10	**1173670000**	TW PRV8	10	**1173670000**
	Printed 0...3 or 0...7 or 0...15	TW PRV8 0-7	10	**1230090000**	TW PRV8 0-7	10	**1230090000**
	Printed 1...4 or 1...8 or 1...16	TW PRV8 1-8	10	**1230080000**	TW PRV8 1-8	10	**1230080000**
	Printed A...D or A...H or A...P	TW PRV8 A-H	10	**1230110000**	TW PRV8 A-H	10	**1230110000**
End bracket							
	black	ZEW 35/2 SW	20	**1162610000**	ZEW 35/2 SW	20	**1162610000**
Screwdriver							
	Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Plug-in cross-connection							
	2-pole	SRC-I QV P	10	**8870840000**	SRC-I QV P	10	**8870840000**
Marking tags							
		WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**	WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**

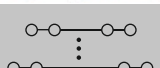
For detailed information on other accessories and application in the online catalogue

	PRV 16 RT/WS	1.5 mm²	PRV 16 WS/RT	1.5 mm²





		PRV 16 RT/WS	PRV 16 WS/RT
Width/Height/Depth	mm	9.2 x 225 x 113.5	9.2 x 225 x 113.5
max. current / max. cond. cross-section	A/mm²	**11 / 1.5**	**11 / 1.5**
Max. clamping range	mm²	**0.13...1.5**	**0.13...1.5**



Technical data

Rated data		PRV 16 RT/WS	PRV 16 WS/RT
Rated voltage	-	IEC 60947-7-1, DIN EN 60079	IEC 60947-7-1, DIN EN 60079
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Twin wire-end ferrule	-		
Stripping length / Blade size	mm/-		

IEC	UL	CSA	EN 60079-7	PRV 16 RT/WS	PRV 16 WS/RT
250	300	300			
6	1	1			
1.5	16	AWG 26...16			
		4 kV / 3			
		/ V-0			
Rated connection					
0.5...1.5 / 0.5...1.5					
0.5...1.5 / 0.5...1.5					
10 / 0.6 x 3.5 mm					

Note	PRV 16 RT/WS	PRV 16 WS/RT

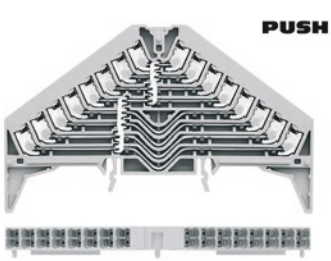
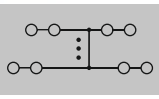
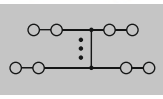
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
black for TS 35x15	PRV 16 SW 35X15 RT/WS	20	**1173620000**	PRV 16 SW 35X15 WS/RT	20	**1173650000**
blue for TS 35x15	PRV 16 BL 35X15 RT/WS	20	**1267790000**	PRV 16 BL 35X15 WS/RT	20	**1267800000**
black for TS 35x7.5	PRV 16 SW 35X7.5 RT/WS	20	**1173680000**	PRV 16 SW 35X7.5 WS/RT	20	**1173710000**
blue for TS 35x7.5	PRV 16 BL 35X7.5 RT/WS	20	**1267810000**	PRV 16 BL 35X7.5 WS/RT	20	**1267820000**
Note	RT = red actuators WS = white actuators			RT = red actuators WS = white actuators		

Accessories

End plate	Type	Qty.	Order No.	Type	Qty.	Order No.
black						
blue						
grey						
Marker holder						
black for TS 35x15	BZT PRV16 SW 35X15	20	**1173540000**	BZT PRV16 SW 35X15	20	**1173540000**
blue for TS 35x15	BZT PRV16 BL 35X15	20	**1267930000**	BZT PRV16 BL 35X15	20	**1267930000**
black for TS 35x7.5	BZT PRV16 SW 35X7.5	20	**1173550000**	BZT PRV16 SW 35X7.5	20	**1173550000**
blue for TS 35x7.5	BZT PRV16 BL 35X7.5	20	**1267940000**	BZT PRV16 BL 35X7.5	20	**1267940000**
Spacer						
Unprinted	TW PRV16	10	**1173630000**	TW PRV16	10	**1173630000**
Printed 0...3 or 0...7 or 0...15	TW PRV16 0-15	10	**1230130000**	TW PRV16 0-15	10	**1230130000**
Printed 1...4 or 1...8 or 1...16	TW PRV16 1-16	10	**1230120000**	TW PRV16 1-16	10	**1230120000**
Printed A...D or A...H or A...P	TW PRV16 A-P	10	**1230140000**	TW PRV16 A-P	10	**1230140000**
End bracket						
black	WEW 35/1 SW	50	**1162600000**	WEW 35/1 SW	50	**1162600000**
Screwdriver						
Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**	SDIS SLIM 0.6X3.5X100	1	**2749610000**
Plug-in cross-connection						
2-pole	SRC-I QV P	10	**8870840000**	SRC-I QV P	10	**8870840000**
Marking tags						
	WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**	WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**

For detailed information on other accessories and application in the online catalogue

	PPV 4	1.5 mm²	PPV 8	1.5 mm²
				
Width/Height/Depth mm	9.2 x 70 x 54.5		9.2 x 120 x 73	
max. current / max. cond. cross-section -/mm²	/ 1.5		/ 1.5	
Max. clamping range mm²	0.13...1.5		0.13...1.5	

Technical data

Rated data						
	IEC 60947-7-1, DIN EN 60079				IEC 60947-7-1	
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage -	250	300	300		250	300	300	
Rated current A	17.5	10	10		17.5	10	10	
for wire cross-section mm²	1.5	AWG 26...16	AWG 26...16		1.5	AWG 26...16	AWG 26...16	
Rated impulse withstand voltage / Pollution severity	4 kV / 3				4 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	/ V-0				/ V-0			
Approvals	CE GL cULus EAC				CE GL cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**				**Rated connection**			
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Twin wire-end ferrule -								
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note								

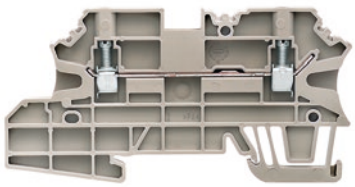
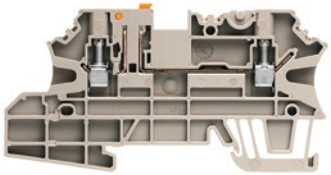
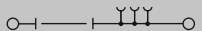
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
blue for TS 35x15	PPV 4 BL 35X15 DGR	20	1267910000	PPV 8 BL 35X15 DGR	20	1267870000
grey for TS 35x15	PPV 4 GR 35X15 DGR	20	1173880000	PPV 8 GR 35X15 DGR	20	1173850000
orange for TS 35x15	PPV 4 OR 35X15 DGR	20	1301610000	PPV 8 OR 35X15 DGR	20	1301620000
blue for TS 35x7.5	PPV 4 BL 35X7.5 DGR	20	1267920000	PPV 8 BL 35X7.5 DGR	20	1267880000
grey for TS 35x7.5	PPV 4 GR 35X7.5 DGR	20	1173890000	PPV 8 GR 35X7.5 DGR	20	1173870000
orange for TS 35x7.5	PPV 4 OR 35X7.5 DGR	20	1301630000	PPV 8 OR 35X7.5 DGR	20	1301640000
Note	DGR = dark grey actuators			DGR = dark grey actuators		

Accessories

End plate	Type	Qty.	Order No.	Type	Qty.	Order No.
black	PAP PRV/PPV4 SW	10	1173750000	PAP PRV/PPV8 SW	10	1173720000
blue	PAP PRV/PPV4 BL	10	1268010000	PAP PRV/PPV8 BL	10	1268000000
grey	PAP PRV/PPV4 GR	10	1211450000	PAP PRV/PPV8 GR	10	1211460000
Marker holder						
black for TS 35x15	BZT PRV4 SW 35X15	20	1173590000	BZT PRV8 SW 35X15	20	1173570000
blue for TS 35x15	BZT PRV4 BL 35X15	20	1267980000	BZT PRV8 BL 35X15	20	1267950000
black for TS 35x7.5	BZT PRV4 SW 35X7.5	20	1173600000	BZT PRV8 SW 35X7.5	20	1173580000
blue for TS 35x7.5	BZT PRV4 BL 35X7.5	20	1267990000	BZT PRV8 BL 35X7.5	20	1267970000
Spacer						
Unprinted	TW PRV4	10	1173700000	TW PRV8	10	1173670000
Printed 0...3 or 0...7 or 0...15	TW PRV4 0-3	10	1230060000	TW PRV8 0-7	10	1230090000
Printed 1...4 or 1...8 or 1...16	TW PRV4 1-4	10	1230050000	TW PRV8 1-8	10	1230080000
Printed A...D or A...H or A...P	TW PRV4 A-D	10	1230070000	TW PRV8 A-H	10	1230110000
End bracket						
black	ZEW 35/2 SW	20	1162610000	ZEW 35/2 SW	20	1162610000
Screwdriver						
Standard	SDIS SLIM 0.6X3.5X100	1	2749610000	SDIS SLIM 0.6X3.5X100	1	2749610000
Plug-in cross-connection						
2-pole	SRC-I QV P	10	8870840000	SRC-I QV P	10	8870840000
Marking tags						
	WS 7.8/9.2 PLUS MC NE GR	360	1208970000	WS 7.8/9.2 PLUS MC NE GR	360	1208970000

For detailed information on other accessories and application in the online catalogue

	WMF 2.5	2.5 mm²	WMF 2.5 DI	2.5 mm²
				
Width/Height/Depth mm	5.08 x 88 x 44.5		5.08 x 88 x 44.5	
max. current / max. cond. cross-section A	**32 / 4**		**20 / 4**	
Max. clamping range mm²	**0.5...4**		**0.5...4**	

Technical data

	WMF 2.5				WMF 2.5 DI			
Rated data								
	Ex ec II C GcII 3 G D				Ex ec II C GcII 3 G D			
	IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage to adjoining terminal -		600	600	500		600	300	500
Rated current A	24	20	26	24	20	19	19	20
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	2.5 mm²	2.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				A3 / V-0	
Approvals								
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors) -	/ (M 3)				/ (M 3)			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note								

Ordering data

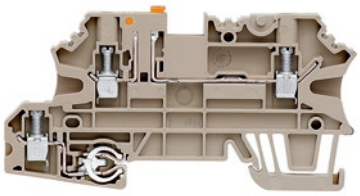
	WMF 2.5			WMF 2.5 DI		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	WMF 2.5	50	**1143070000**	WMF 2.5 DI	50	**1143020000**
Blue	WMF 2.5 BL	50	**1270040000**	WMF 2.5 DI BL	50	**1270070000**
Note						

Accessories

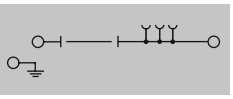
	WMF 2.5				WMF 2.5 DI			
Plug-in cross-connection	**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate								
dark beige	AP WMF2.5		50	**1142990000**	AP WMF2.5		50	**1142990000**
End bracket								
dark beige	WEW 35/2		50	**1061200000**	WEW 35/2		50	**1061200000**
Screwdriver								
Standard	SDS 0.6X3.5X100		1	**2749340000**	SDS 0.6X3.5X100		1	**2749340000**
Holder for cartridge fuse 5 x 20 mm								
400 V AC/DC, without LED					SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED					SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED					SIHA 3/G20/LD 140-250V		25	**7921600000**
					FUCR SW		10	**1167630000**
					FUCR 10-36V SW		10	**1167640000**
					FUCR 100-250V SW		10	**1167680000**
Module connector (max, 250 V)								
without fittings								
with wire jumper					BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode					BEST/D	1 A	50	**1878560000**
Disconnect plug								
removable, as replacement for release lever								
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 M MC NE WS		720	**1792000000**	WS 10/5 M MC NE WS		720	**1792000000**

For detailed information on other accessories and application in the online catalogue

WMF 2.5 DI PE — 2.5 mm²



5.08 x 88 x 44.5
20 / 4
0.5...4



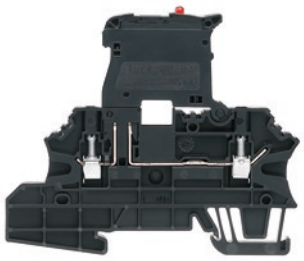
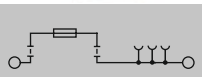
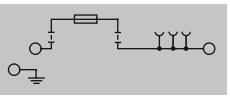
Ex ec II C Gcll 3 G D

IEC	UL	CSA	EN 60079-7
	600	600	500
20	19	19	20
2.5	AWG 26...12	AWG 26...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 3)
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WMF 2.5 DI PE	50	**1143030000**
WMF 2.5 DI PE BL	50	**1270080000**

Type		Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
AP WMF2.5		50	**1142990000**
WEW 35/1		50	**1059000000**
SDS 0.6X3.5X100		1	**2749340000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
FUCR SW		10	**1167630000**
FUCR 10-36V SW		10	**1167640000**
FUCR 100-250V SW		10	**1167680000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
TNST	20 A	50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

	WMF 2.5 FU	2.5 mm²	WMF 2.5 FU PE	2.5 mm²
				
Width/Height/Depth mm	5.08 x 88 x 74		5.08 x 88 x 74	
max. current / max. cond. cross-section A	**6.3 / 4**		**6.3 / 4**	
Max. clamping range mm²	**0.5...4**		**0.5...4**	

Technical data

	WMF 2.5 FU				WMF 2.5 FU PE			
Rated data								
	Ex ec II C Gcll 3 G D				Ex ec II C Gcll 3 G D			
	IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage to adjoining terminal -		600	600			600	600	
Rated current A	6.3	17	17	6.3	6.3	17	17	6.3
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	4 mm²	2.5	AWG 26...12	AWG 26...12	4 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				A3 / V-0	
Approvals								
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors) -	/ (M 3)				/ (M 3)			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note								

Ordering data

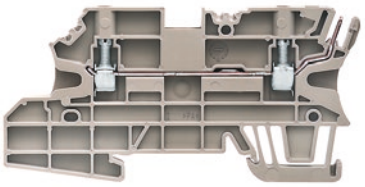
	WMF 2.5 FU			WMF 2.5 FU PE		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
Black	WMF 2.5 FU SW	50	**1162920000**	WMF 2.5 FU PE SW	50	**1163040000**
10–36 V AC/DC, with LED	WMF 2.5 FU 10-36V SW	50	**1162930000**	WMF 2.5 FU PE 10-36V SW	50	**1163050000**
30–70 V AC/DC, with LED	WMF 2.5 FU 30-70V SW	50	**1162940000**	WMF 2.5 FU PE 30-70V SW	50	**1163060000**
60–150 V AC/DC, with LED	WMF 2.5 FU 60-150V SW	50	**1162950000**	WMF 2.5 FU PE 60-150V SW	50	**1163070000**
100 – 250 V AC/DC, with LED	WMF 2.5 FU 100-250V SW	50	**1162960000**	WMF 2.5 FU PE 100-250V SW	50	**1163080000**
Note	The WMF FU terminals may not be aligned directly under one another.			The WMF FU terminals may not be aligned directly under one another.		

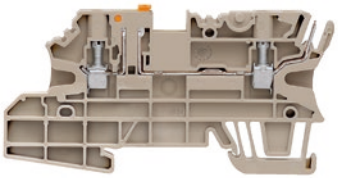
Accessories

	WMF 2.5 FU				WMF 2.5 FU PE			
Plug-in cross-connection	**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate								
dark beige	AP WMF2.5		50	**1142990000**	AP WMF2.5		50	**1142990000**
End bracket								
dark beige	WEW 35/2		50	**1061200000**	WEW 35/2		50	**1061200000**
Screwdriver								
Standard	SDS 0.6X3.5X100		1	**2749340000**	SDS 0.6X3.5X100		1	**2749340000**
Holder for cartridge fuse 5 x 20 mm								
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**	SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**	SIHA 3/G20/LD 140-250V		25	**7921600000**
	FUCR SW		10	**1167630000**	FUCR SW		10	**1167630000**
	FUCR 10-36V SW		10	**1167640000**	FUCR 10-36V SW		10	**1167640000**
	FUCR 100-250V SW		10	**1167680000**	FUCR 100-250V SW		10	**1167680000**
Module connector (max, 250 V)								
without fittings	BEST		50	**1833100000**	BEST		50	**1833100000**
with wire jumper	BEST/DRBR	22 A	50	**1878570000**	BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode	BEST/D	1 A	50	**1878560000**	BEST/D	1 A	50	**1878560000**
Disconnect plug								
removable, as replacement for release lever	TNST	20 A	50	**1833090000**	TNST	20 A	50	**1833090000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**	WS 10/5 MC NE WS		720	**1635000000**

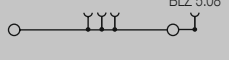
For detailed information on other accessories and application in the online catalogue

	WMF 2.5 BLZ	WMF 2.5 DI BLZ
	2.5 mm²	2.5 mm²





Width/Height/Depth	5.08 x 90 x 44.5	5.08 x 90 x 44.5
max. current / max. cond. cross-section	**32 / 4**	**20 / 4**
Max. clamping range	**0.5...4**	**0.5...4**





Technical data

	WMF 2.5 BLZ	WMF 2.5 DI BLZ
Rated data		
Rated voltage to adjoining terminal	IEC 61984, In accordance with IEC 60947-7-1	IEC 61984, In accordance with IEC 60947-7-1
Rated current	A	A
for wire cross-section	mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	mm²
Flexible / Flexible with ferrule	mm²	mm²
Tightening torque (clamping screw for copper conductors)	-	-
Stripping length / Blade size	mm/-	mm/-

IEC	UL	CSA	EN 60079-7
	300	300	
24	20	26	
2.5	AWG 26...12	AWG 26...12	
	8 kV / 3		
	A3 / V-0		

IEC	UL	CSA	EN 60079-7
	300	300	
20	19	19	
2.5	AWG 26...12	AWG 26...12	
	8 kV / 3		
	A3 / V-0		

Rated connection	WMF 2.5 BLZ	WMF 2.5 DI BLZ
	0.5...4 / 1.5...4	0.5...4 / 1.5...4
	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
	/ (M 3)	/ (M 3)
	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Note

	With BLZ plug the nominal current is reduced to 15.5 A.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WMF 2.5 BLZ	50	**1143050000**
Note			

Type	Qty.	Order No.
WMF 2.5 DI BLZ	50	**1143000000**

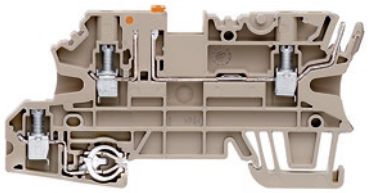
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	AP WMF2.5		50	**1142990000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**2749340000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED				
10 - 36 V AC/DC, red LED				
140 - 250 V AC/DC, red LED				
Module connector (max, 250 V)				
without fittings				
with wire jumper				
With 1N4007 diode				
Disconnect plug				
removable, as replacement for release lever				
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 M MC NE WS		720	**1792000000**

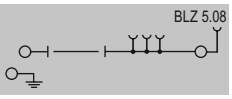
Type		Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
AP WMF2.5		50	**1142990000**
WEW 35/1		50	**1059000000**
SDS 0.6X3.5X100		1	**2749340000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
FUCR SW		10	**1167630000**
FUCR 10-36V SW		10	**1167640000**
FUCR 100-250V SW		10	**1167680000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
TNST	20 A	50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

WMF 2.5 DI BLZ PE — 2.5 mm²



Width/Height/Depth	5.08 x 90 x 44.5 mm
max. current / max. cond. cross-section	20 / 4 A
Max. clamping range	0.5...4 mm²



IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal		300	300	
Rated current	20	19	19	
for wire cross-section	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors) -	/ (M 3)
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm

Note

With BLZ plug the nominal current is reduced to 15.5 A.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WMF 2.5 DI BLZ PE	50	1143010000

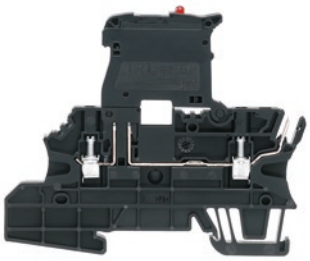
Note

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	AP WMF2.5		50	1142990000
End bracket				
dark beige	WEW 35/1		50	1059000000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	2749340000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
	FUCR SW		10	1167630000
	FUCR 10-36V SW		10	1167640000
	FUCR 100-250V SW		10	1167680000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR	22 A	50	1878570000
With 1N4007 diode	BEST/D	1 A	50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

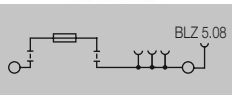
For detailed information on other accessories and application in the online catalogue

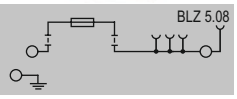
	WMF 2.5 FU BLZ	2.5 mm²	WMF 2.5 FU BLZ PE	2.5 mm²





Width/Height/Depth	mm	5.08 x 90 x 74	5.08 x 90 x 74
max. current / max. cond. cross-section	A	**6.3 / 4**	**6.3 / 4**
Max. clamping range	mm²	**0.5...4**	**0.5...4**





Technical data

	WMF 2.5 FU BLZ	WMF 2.5 FU BLZ PE
Rated data		
Rated voltage to adjoining terminal	-	-
Rated current	A	A
for wire cross-section	mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	mm²
Flexible / Flexible with ferrule	mm²	mm²
Tightening torque (clamping screw for copper conductors)	-	-
Stripping length / Blade size	mm/-	mm/-
Note		

IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-3

IEC	UL	CSA	EN 60079-7
	300	300	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
	8 kV / 3		
	A3 / V-0		

CE GL cULus EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 3)
10 / 0.6 x 3.5 mm

IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
	300	300	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
	8 kV / 3		
	A3 / V-0		

CE GL cULus EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
/ (M 3)
10 / 0.6 x 3.5 mm

Ordering data

Version	Type	Qty.	Order No.
Black	WMF 2.5 FU BLZ SW	50	**1162980000**
10–36 V AC/DC, with LED	WMF 2.5 FU BLZ 10-36V SW	50	**1162990000**
30–70 V AC/DC, with LED	WMF 2.5 FU BLZ 30-70V SW	50	**1163000000**
60–150 V AC/DC, with LED	WMF 2.5 FU BLZ 60-150V SW	50	**1163010000**
100 – 250 V AC/DC, with LED	WMF 2.5 FU BLZ 100-250V SW	50	**1163020000**
Note			

Version	Type	Qty.	Order No.
Black	WMF 2.5 FU BLZ PE SW	50	**1162820000**
10–36 V AC/DC, with LED	WMF 2.5 FU BLZ PE 10-36V SW	50	**1162830000**
30–70 V AC/DC, with LED			
60–150 V AC/DC, with LED			
100 – 250 V AC/DC, with LED	WMF 2.5 FU BLZ PE 100-250V SW	50	**1162860000**
Note			

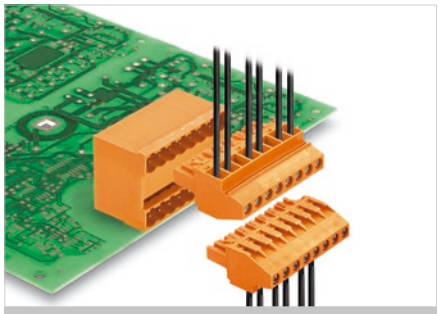
Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	AP WMF2.5		50	**1142990000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**2749340000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
	FUCR SW		10	**1167630000**
	FUCR 10-36V SW		10	**1167640000**
	FUCR 100-250V SW		10	**1167680000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR	22 A	50	**1878570000**
With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	**1833090000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

	Type		Qty.	Order No.
	ZQV 2.5N/2 GE	24 A	60	**1693800000**
	ZQV 2.5N/10 GE	24 A	20	**1693880000**
	AP WMF2.5		50	**1142990000**
	WEW 35/1		50	**1059000000**
	SDS 0.6X3.5X100		1	**2749340000**
	SIHA 3/G20	6.3 A	25	**7921560000**
	SIHA 3/G20/LD 10-36V		25	**7921570000**
	SIHA 3/G20/LD 140-250V		25	**7921600000**
	FUCR SW		10	**1167630000**
	FUCR 10-36V SW		10	**1167640000**
	FUCR 100-250V SW		10	**1167680000**
	BEST		50	**1833100000**
	BEST/DRBR	22 A	50	**1878570000**
	BEST/D	1 A	50	**1878560000**
	TNST	20 A	50	**1833090000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

BLZP 5.08HC/../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to catalog.weidmueller.com

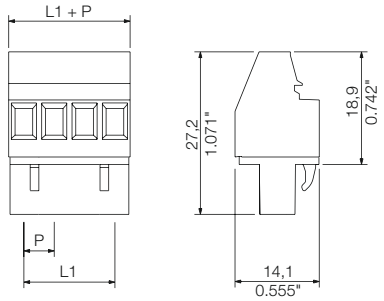
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BLZP 5.08HC/../90



Dimensioned drawing



B

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	9008330000
	SDIS 0.6X3.5X100	9008390000
	SDK PH1	9008480000
	SDK PZ1	9008530000

Ordering data

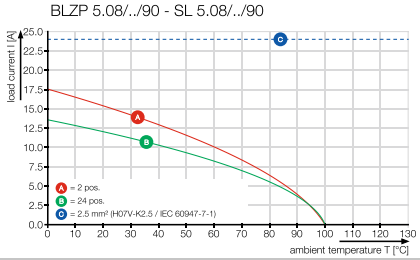
Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1948000000
3	10.16	0.400	120	1948010000
4	15.24	0.600	90	1948020000
5	20.32	0.800	72	1948030000
6	25.40	1.000	60	1948040000
7	30.48	1.200	48	1948050000
8	35.56	1.400	42	1948060000
9	40.64	1.600	36	1948070000
10	45.72	1.800	36	1948080000
11	50.80	2.000	30	1948100000
12	55.88	2.200	30	1948110000
13	60.96	2.400	24	1948120000
14	66.04	2.600	24	1948130000
15	71.12	2.800	24	1948140000
16	76.20	3.000	18	1948150000
17	81.28	3.200	18	1948160000
18	86.36	3.400	18	1948170000
19	91.44	3.600	18	1948180000
20	96.52	3.800	18	1948190000
21	101.60	4.000	12	1948200000
22	106.68	4.200	12	1948210000
23	111.76	4.400	12	1948220000
24	116.84	4.600	12	1948230000

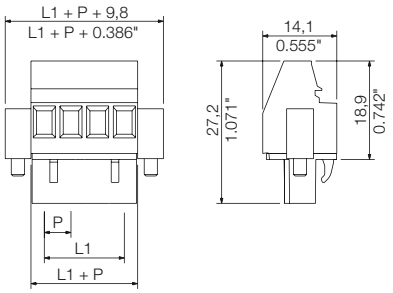
Representative deratings curve



BLZP 5.08HC/../90F



Dimensioned drawing



Ordering data

Solder pin length

Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	90	**1949800000**
3	10.16	0.400	72	**1949810000**
4	15.24	0.600	60	**1949820000**
5	20.32	0.800	48	**1949830000**
6	25.40	1.000	42	**1949840000**
7	30.48	1.200	36	**1949850000**
8	35.56	1.400	36	**1949860000**
9	40.64	1.600	30	**1949870000**
10	45.72	1.800	30	**1949880000**
11	50.80	2.000	24	**1949890000**
12	55.88	2.200	24	**1949900000**
13	60.96	2.400	24	**1949910000**
14	66.04	2.600	18	**1949920000**
15	71.12	2.800	18	**1949930000**
16	76.20	3.000	18	**1949940000**
17	81.28	3.200	18	**1949950000**
18	86.36	3.400	18	**1949960000**
19	91.44	3.600	12	**1949970000**
20	96.52	3.800	12	**1949980000**
21	101.60	4.000	12	**1949990000**
22	106.68	4.200	12	**1950010000**
23	111.76	4.400	12	**1950020000**
24	116.84	4.600	12	**1950030000**

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current,
and perfect for the force.



IL WMF 2.5 BLZ OR



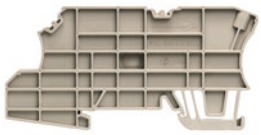
Ordering data	Type	Qty.	Order No.
	IL WMF2.5 BLZ OR	50	1167440000
Note			

WAD WMF 2.5



Ordering data	Type	Qty.	Order No.
	WAD WMF2.5	50	1142970000
Note			

WBB WMF 2.5 BLZ



Ordering data	Type	Qty.	Order No.
	WBB WMF2.5 BLZ	10	1142980000
Note			

AP WMF 2.5



Ordering data	Type	Qty.	Order No.
	AP WMF2.5	50	1142990000
Note			

FUCR SW



Ordering data	Type	Qty.	Order No.
	FUCR 10-36V SW	10	1167640000
Note			

Support plates and end plates

PAP PRV/PPV4



Ordering data	Type	Qty.	Order No.
Blue	PAP PRV/PPV4 BL	10	1268010000
grey	PAP PRV/PPV4 GR	10	1211450000
Black	PAP PRV/PPV4 SW	10	1173750000
Note			

PAP PRV/PPV8



Type	Qty.	Order No.
PAP PRV/PPV8 GR	10	1211460000
PAP PRV/PPV8 SW	10	1173720000

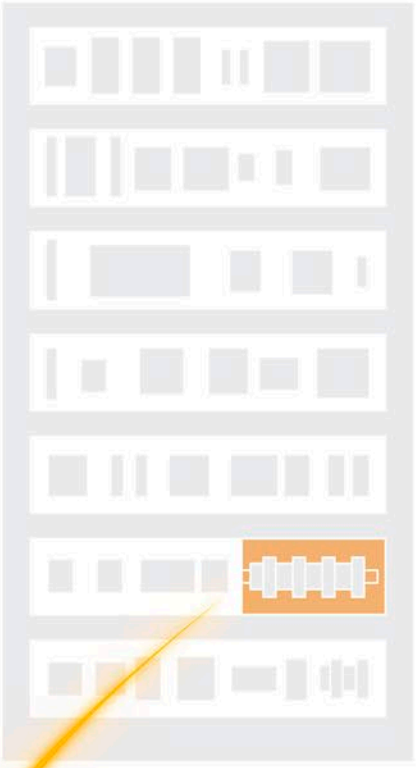
Safe, error-free plant operation

Efficient shielding and earthing with Klippon® Connect

The safety and availability of plants must be guaranteed at all times. Careful planning and installation of safety functions play a particularly important role. For personnel protection, we offer a wide range of PE terminal blocks in different connection technologies. With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

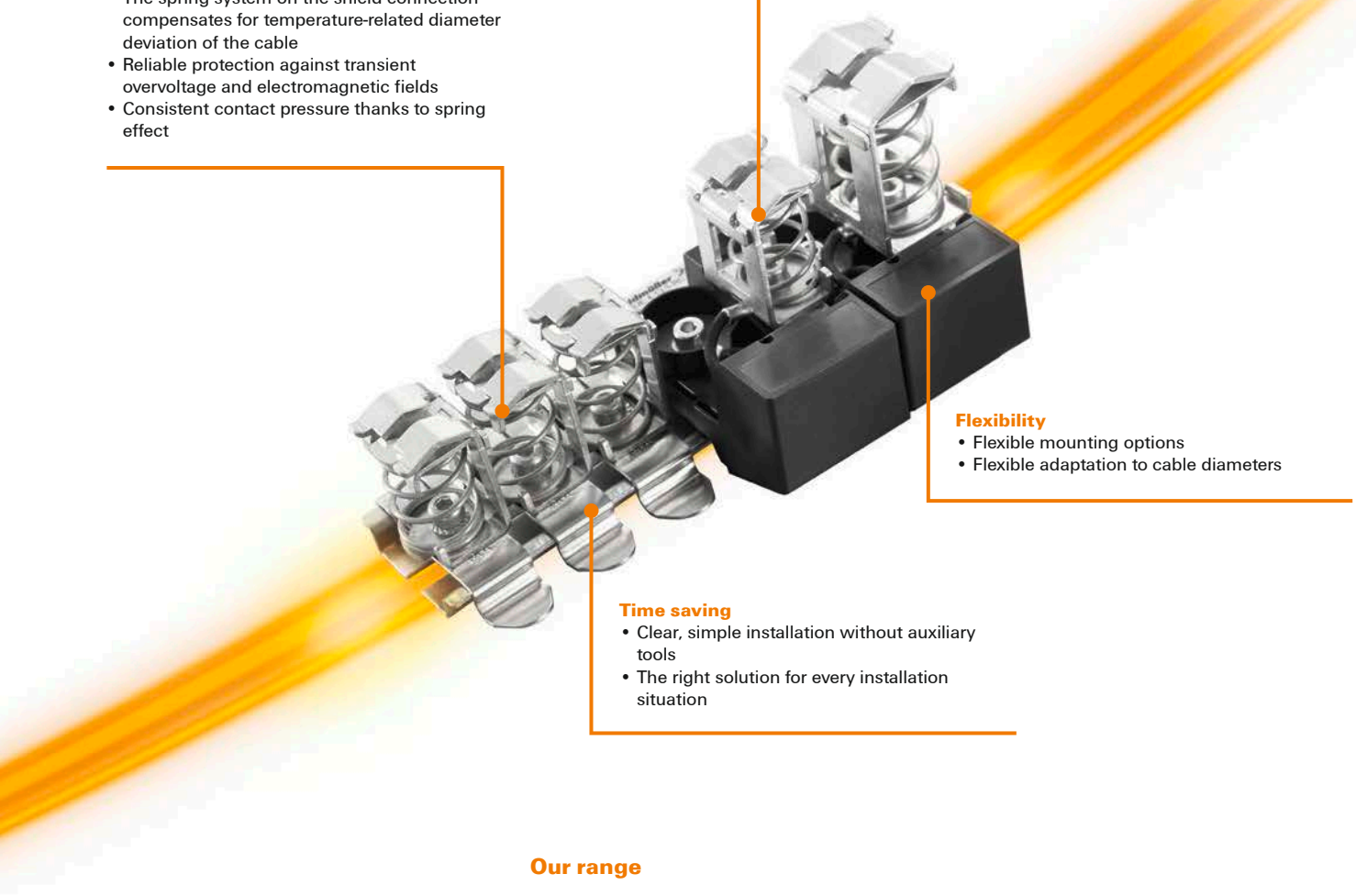
Our promise

Klippon® Connect reliably guarantees the protection of personnel and machines and increases plant availability. You can improve your productivity and benefit from more efficient planning and increased safety during installation and operation.



Space saving
- Complete range for conductor diameters from 2 to 37 mm to meet all space requirements
- Perfect shielding thanks to comprehensive accessories

Safety
- The spring system on the shield connection compensates for temperature-related diameter deviation of the cable
- Reliable protection against transient overvoltage and electromagnetic fields
- Consistent contact pressure thanks to spring effect



Flexibility
- Flexible mounting options
- Flexible adaptation to cable diameters

Time saving
- Clear, simple installation without auxiliary tools
- The right solution for every installation situation

Our range



Shielding:
Our complete range of KLBÜ shield connections, KHLA shield clamping saddles, SH 4C shield rail holders and KLBÜ RC shielding brackets allows simple and efficient installation of safe shielding systems.



Protective earth (PE):
We offer a wide range of green/yellow terminal blocks in screw connection, tension clamp and PUSH IN designs.



Potential equalisation:
Our JB 25–50 and EBB 25–50/16 potential equalisation terminal blocks allow you to achieve reliably integrated potential equalisation, even in extended systems.

Entry:
Electromagnetic Compatibility

The term Electromagnetic Compatibility (EMC) describes the ability of electrical equipment to function faultlessly in an electromagnetically-loaded environment, e.g. in an industrial plant, without influencing the environment. The consequences of an inadequate EMC can range from disturbances in normal use to damage or destruction of equipment with the added risks of economic damage and/or personal injury.

Interference sources

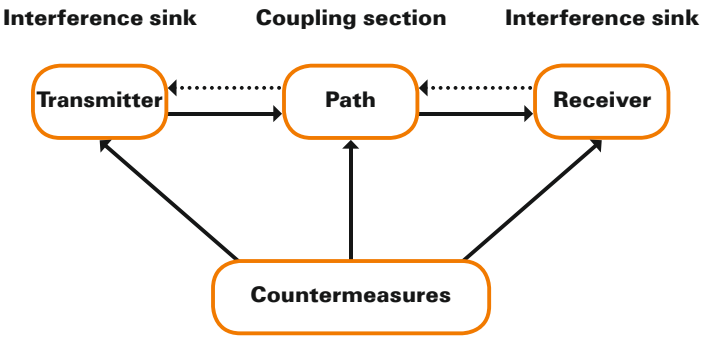
Sources of interference exist in many forms. But the common feature of all interference sources is the emission of electronic or magnetic energy, which influences electrical equipment and prevents fault-free operation. A distinction is made between natural sources of interference such as atmospheric discharge or electrostatic discharge and artificial sources of interference such as radio (intentional) or frequency converters (unintentional).

Interference sinks

Interference sinks encompass electrical equipment that can be influenced by sources of interference. Electromagnetic pulses can cause equipment to be disturbed, damaged or destroyed. Other consequences could be the total failure of a piece of equipment, or a system with economic or material damage, or even personal injury.

Coupling

Coupling is the transmission of electrical energy from one electric circuit to another.



Actions:
Measures to improve electromagnetic compatibility

In order to guarantee EMC, the interference mechanisms must first be known. In addition to natural sources of interference such as lightning, there are also so-called coupling mechanisms. Here is an overview of the different coupling mechanisms as well as some measures for EMC optimisation.

Coupling mechanisms:

Galvanic coupling

Coupling of two circuits via a common current path.

Capacitive (electrical) coupling

Coupling of two circuits via an alternating electric field (mainly in the high-frequency range).

Inductive (magnetic) coupling

Coupling of two circuits via an alternating magnetic field (mainly in the low-frequency range).

Radiation coupling (electromagnetic coupling)

Emission of wave fields with electric and magnetic field strength.

Measures for EMC optimisation:

The most frequently used and sensible countermeasures to improve EMC are the use of twisted or shielded cables.

Use of shielded cables

The task of an electromagnetic screen is to close its internally generated electromagnetic field and prevent it from propagating or to create a space free of external fields..

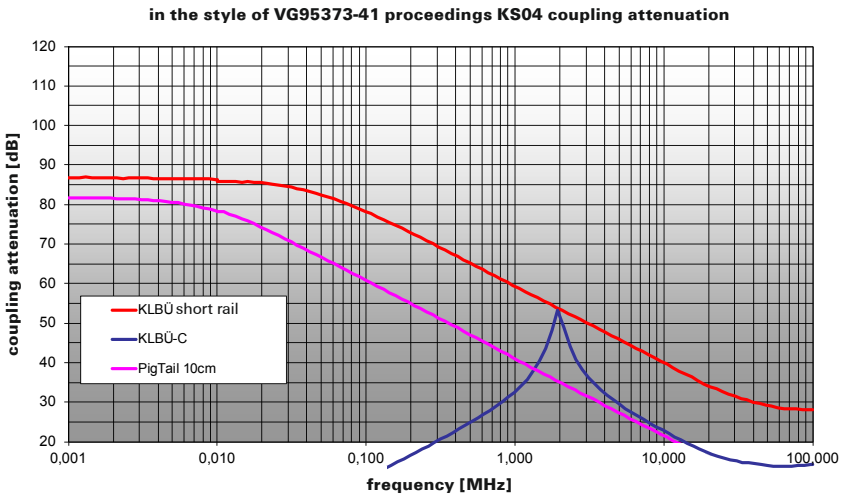
The interference to be expected determines the shield connection

In order to suppress electric fields, a one-sided grounding of the shield is necessary. To suppress an alternating magnetic field, the shield must be grounded on both sides. However, if the shield is connected on both sides, a ground loop occurs, which in turn has disadvantages. The useful signal is influenced in particular by interference along the reference potential and thus a deterioration occurs. In this case, triaxial cables can help by connecting the inner shield on one side and the outer shield on both sides. A capacitor is often connected to the reference potential on one side to reduce such interference. This interrupts the earth loop for direct currents or low-frequency currents.

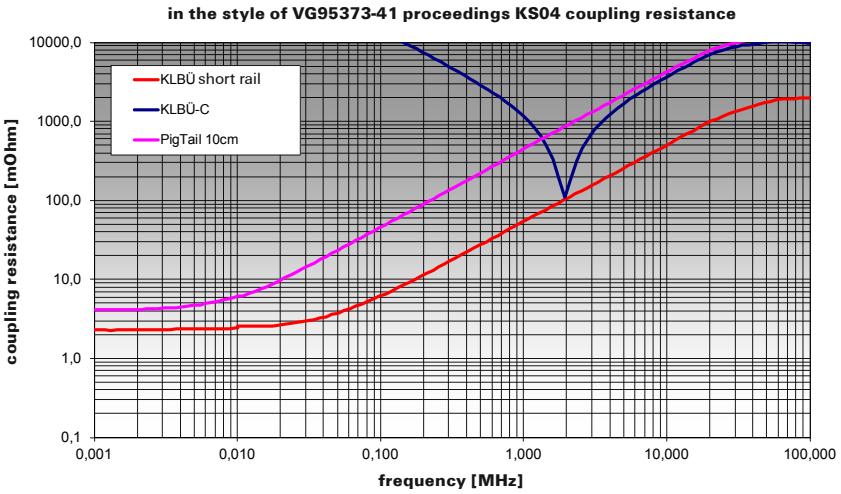
Implementation of shielding in practice

With the KLBUE, Weidmueller has developed a versatile product designed to reduce EMV in plants and equipment. to improve machines.

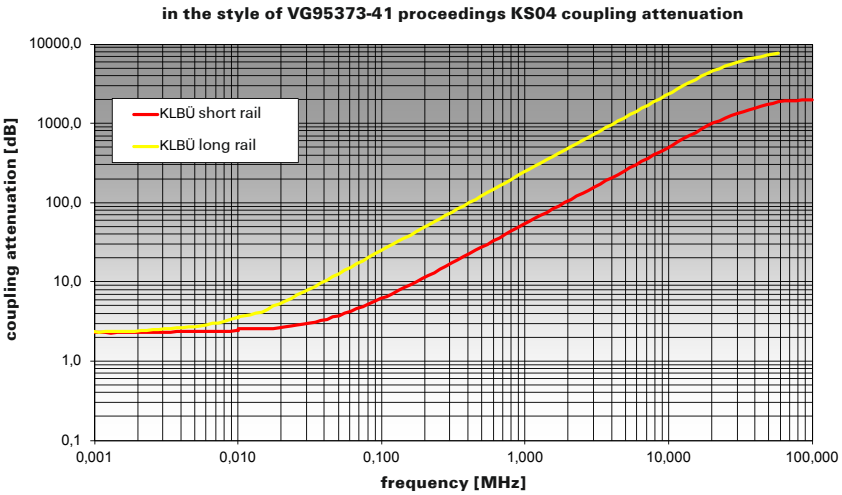
Hands-on part:
Shielding examples



The diagram opposite shows coupling attenuation over frequency. A Weidmueller-KLBUE is mounted on a short rail achieving a 17.5 dB higher shielding attenuation compared to the shield connected as a pig tail. This results in much better EMC. This diagram also shows the frequency response of the KLBUE with an integrated capacitor circuit. The KLBUE has a very specific window where it works best. The coupling attenuation is continuously reduced by the legal frequency response



In this diagram, coupling resistance over frequency is shown. It demonstrates how the coupling resistance behaves in a totally opposite manner compared to coupling attenuation over the frequency.



In these diagram the busbar on which some KLBUE s are mounted should be as short as possible. This results in a lower impedance, which results in a lower coupling resistance. This leads to a better EMC.

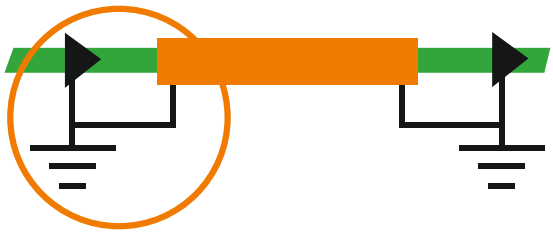
✓ Short busbar

✗ Long busbar

Schematic representation

Different contacting possibilities of the cable screen

Shielding on both sides



To protect against possible interference effects alternating magnetic field is bilateral Hang up unavoidable. This does mean a risk of ground loops forming. However cable shields and steel conduits should be grounded on both sides, despite the risk, as todays EMC regulations require this. In the same way, shields of two-sided signal conductors should be grounded on both sides.

One sided shielding



If shielding is to be used to protect against electrical fields, it is advisable to ground on one side only. Shields of analogue signal conductors should, for example, be connected at one end.

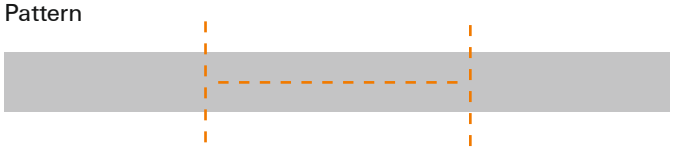


Stripping tool for shielded cables

With the Weidmueller AM 16 stripping tool, it is very easy to disconnect the insulation of a conductor and then apply the shield. The insulation can be cut at any point on the conductor. The insulation of the conductor is first separated over the circumference. Then the tool is pulled lengthwise over the conductor and so the insulation is cut off. Finally, the insulation is cut at the other end over the circumference. The illustration shows the resulting pattern.

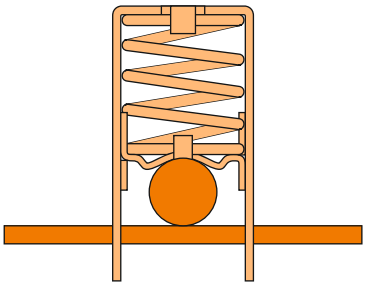
www.weidmueller.com

Pattern



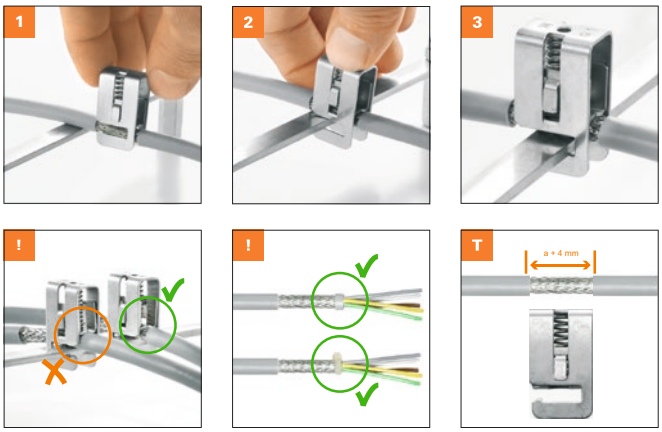
Shield connection terminals KLBUE

Cable attached to the busbar from above

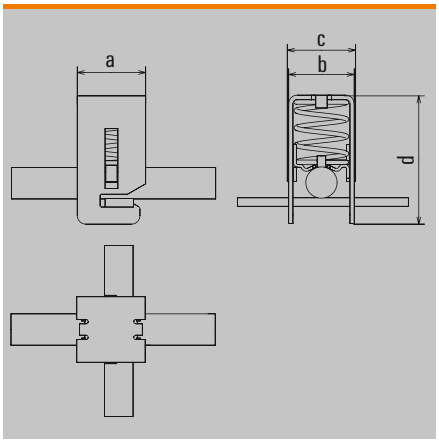




KLBÜ CO 1 | KLBÜ CO 2 | KLBÜ CO 3 | KLBÜ CO 4 | KLBÜ CO 5



KLBUE CO



Ordering data

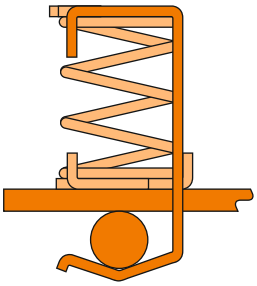
Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
Clamping bracket				
KLBUE CO 1	3...10 mm	18 / 12 / 13.2 / 32	10	**1753311001**
KLBUE CO 2	4...15 mm	18 / 20 / 21.1 / 41.6	10	**1752131001**
KLBUE CO 3	10...20 mm	25 / 23 / 24 / 45	10	**1749151001**
KLBUE CO 4	15...28 mm	32 / 31 / 25 / 56	10	**1749161001**
KLBUE CO 5	20...37 mm	35.5 / 40 / 42.7 / 64.5	10	**1755081001**

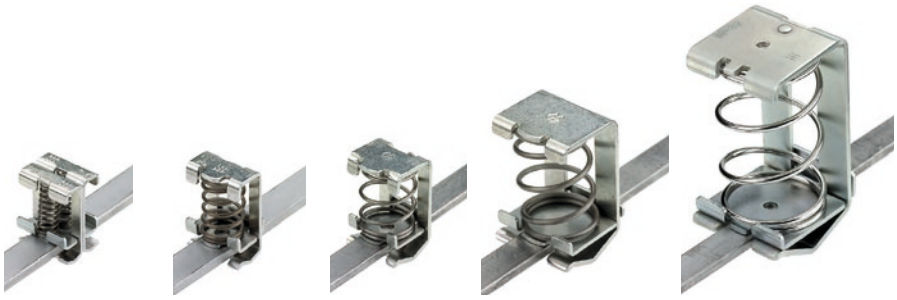
Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN		Copper	1	**0348900000**

Note

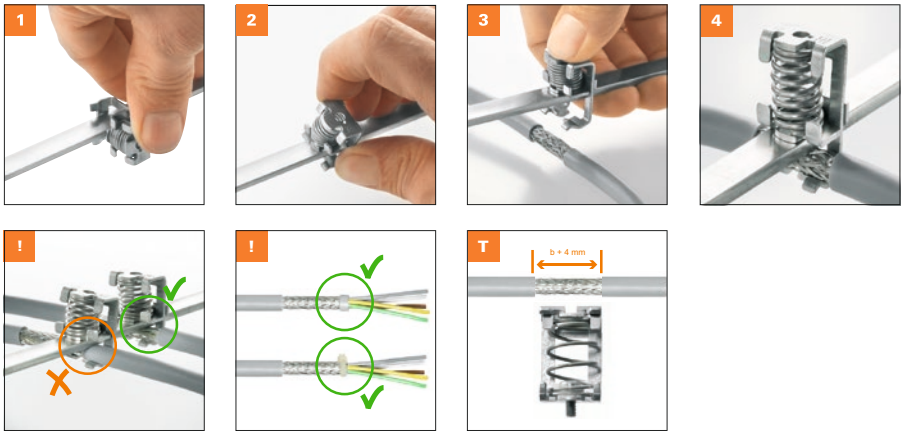
Shield connection terminals KLBUE

Cable attached to the busbar from below

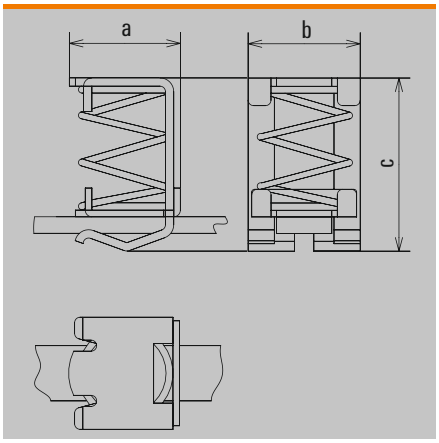




KLBÜ 2 x 2-6 | KLBÜ 3-8 | KLBÜ 4-13.5 | KLBÜ 10-20 | KLBÜ 15-32



KLBUE



Ordering data

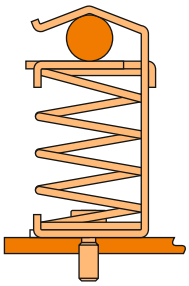
Type	for cable diameters	Dimensions (a x b x c) mm	Qty.	Order No.
Clamping bracket				
KLBUE 2X2-6	2...6 mm	15 / 18 / 24	10	**1675350000**
KLBUE 3-8	3...8 mm	14.5 / 18.5 / 26	10	**1600480000**
KLBUE 4-13.5	4...13.5 mm	20.5 / 22 / 31.5	10	**1592810000**
KLBUE 10-20	10...20 mm	24 / 26 / 40	10	**1600490000**
KLBUE 15-32	15...32 mm	33.5 / 32 / 64	10	**1716300000**

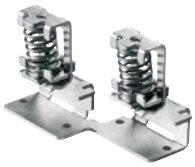
Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN		Copper	1	**0348900000**

Note

Shield connection terminals KLBUE

Cable attached on the mounting plate from above





SCH-1-WB



KLBÜ 3-8 SC



KLBÜ 4-13,5 SC

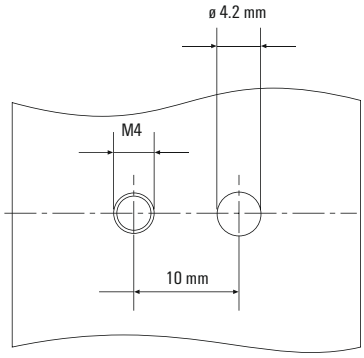


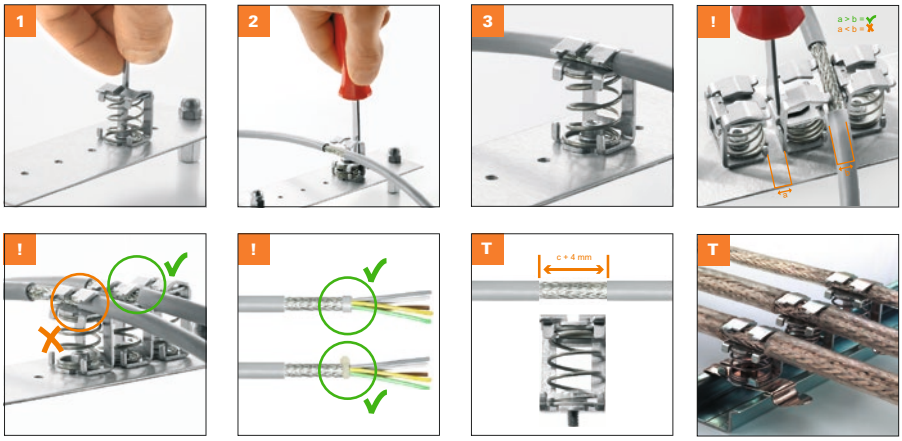
KLBÜ 10-20 SC



KLBÜ 15-32 SC

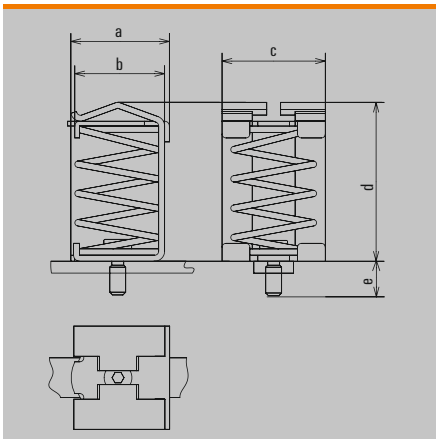
Drilling template KLBÜ 15-32 SC





B

KLBUE SC



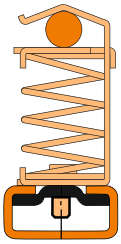
Ordering data

Type	for cable diameters	Length of thread	Dimensions (a x b x c x d) mm	Qty.	Order No.
Clamping bracket					
KLBUE 3-8 SC	3...8 mm	5.65 mm	14.5 / / 18.5 / 26	10	**1692261001**
KLBUE 4-13.5 SC	4...13.5 mm	5.3 mm	20.1 / / 22 / 31.45	10	**1712311001**
KLBUE 10-20 SC	10...20 mm	5.3 mm	23.6 / / 26 / 40	10	**1712321001**
KLBUE 15-32 SC	15...32 mm	4.8 mm	33.25 / / 32 / 63.9	10	**1718341001**

Note

Shielding and earthing
Shield clamping saddle

Shield connection terminals KLBUE





KLBÜ 3-8 CPF



KLBÜ 4-13,5 CPF



KLBÜ 10-20 CPF



KLBÜ 15-32 CPF

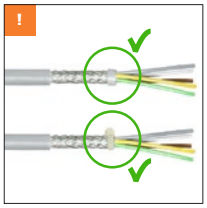


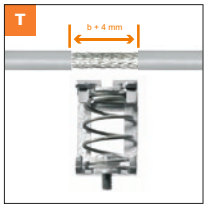




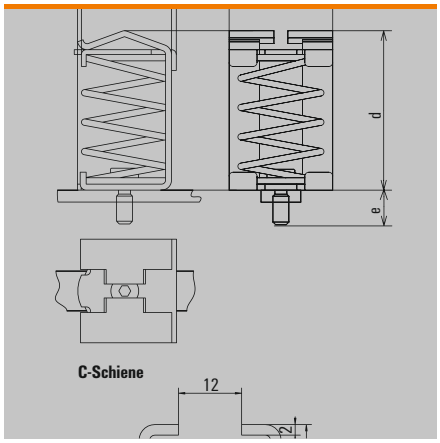








KLBUE CPF



Ordering data

Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
Type for 12 mm profile				
KLBUE 3-8 CPF	3...8 mm	14.5 / 13.5 / 18 / 26	10	**1752681001**
KLBUE 4-13.5 CPF	4...13.5 mm	20.5 / 19 / 22 / 31.5	10	**1752691001**
KLBUE 10-20 CPF	10...20 mm	24 / 22.5 / 26 / 39.5	10	**1752701001**
KLBUE 15-32 CPF	15...32 mm	33.5 / / 32 / 64	10	**1752711001**

Note

Clamping bracket holder

FM 4 foot



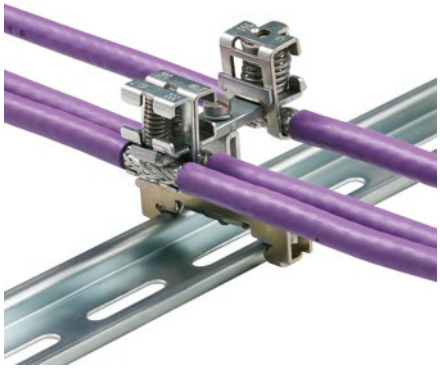
KLBÜ SC-type clamping brackets
(see previous page)
are screwed on to the **FM 4**foot





KLBÜ 4-13.5 FM4

Clamping bracket holder





BS 35 II (without KLBÜ)

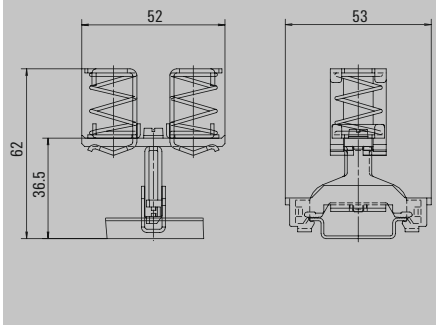


BS 35 II / KLBÜ 3-8



BS 35 II / KLBÜ 3-8 / 2 x 2-6

Clamping yoke holder



Ordering data

Type	for cable diameters	Qty.	Order No.
Clamping bracket fitted with FM 4 foot			
KLBUE 3-8 FM4	3...8 mm	10	**1252530000**
KLBUE 4-13.5 FM4	4...13.5 mm	10	**1252520000**
KLBUE 10-20 FM4	10...20 mm	10	**1252510000**
KLBUE 15-32 FM4	15...32 mm	10	**1252490000**
Clamping bracket holder			
BS 35II KLBUE HOLDER		10	**1723800000**
BS 35II KLBUE3-8	3...8 mm	10	**1723810000**
BS 35II/KLBUE 4-13.5	4...13.5 mm	10	**1723820000**
BS 35II KLBUE3-8/2X2-6	3...8 mm	10	**1749430000**
BS 35II KLBUE2X3-8/2X2-6	3...8 mm	10	**1768020000**

Note

Shielding and earthing
Shield clamping saddle

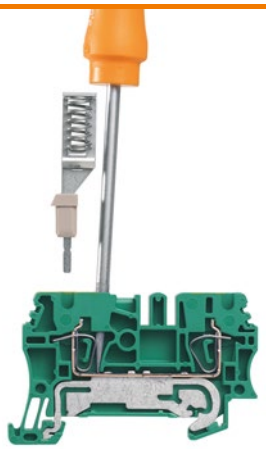
Shielding solutions for direct connection

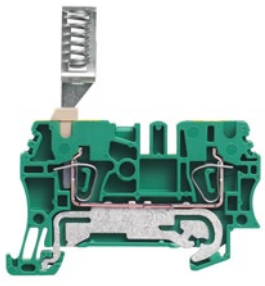


KLBÜ 4-6 Z/1



EMC-Set





Ordering data

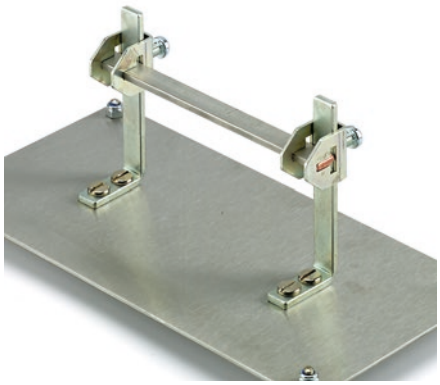
Type	for cable diameters	Qty.	Order No.
Type for 12 mm profile			
KLBUE 4-6 Z/1	4...6 mm	10	**2269800000**

Type	Qty.	Order No.
EMC-TIE	1	**1067490000**

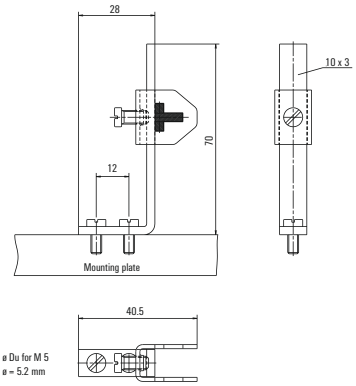
Note	suitable for Z series 2.5 mm²

Rail support / Spacer

Rail support

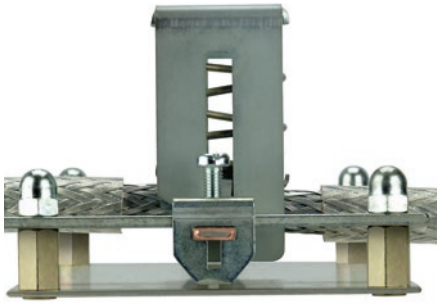


Set (WSH 4 MT) comprising:
- 1 busbar anglel
- 1 busbar connector (BFEH 1 / WSH)



Spacer

M6 outer and inner threads
(in 15 mm, 20 mm and 30 mm lengths)





WSH 4 MT / SP

Ordering data

Type	Length	Qty.	Order No.
Busbar support			
WSH 4 MT		10	**1079900000**
SH 4C		10	**1340870000**
Spacer			
SP M6 15 MSZN		2	**3896100000**
SP M6 20 MSZN		2	**3896200000**
SP M6 30 MSZN		2	**3896300000**

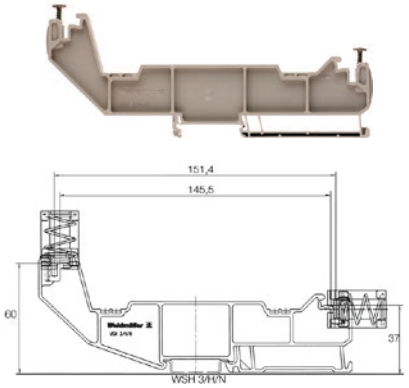
Note

Shielding and earthing
Shield clamping saddle

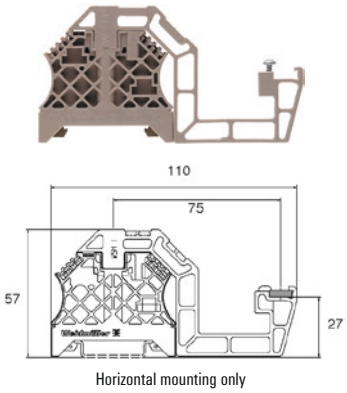
Rail support

Isolated mounting on TS 35

Type WSH 1

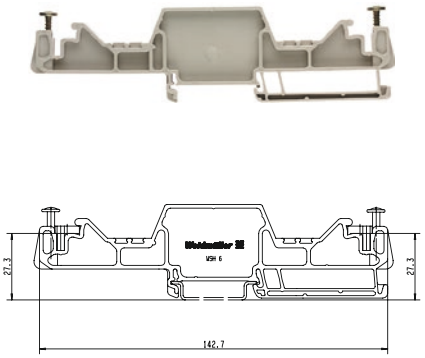


Type WSH 3/H/N

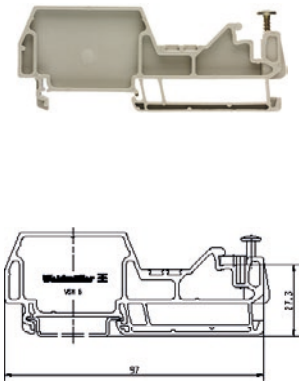


Horizontal mounting only

Type WSH 5



Type WSH 6



WSH

Ordering data

Type	Width	Qty.	Order No.
Rail support			
WSH 1	8 mm	10	**1068700000**
WSH 3/H/N	8 mm	10	**1715970000**
WSH 5	8 mm	10	**1080100000**
WSH 6	8 mm	10	**1080200000**

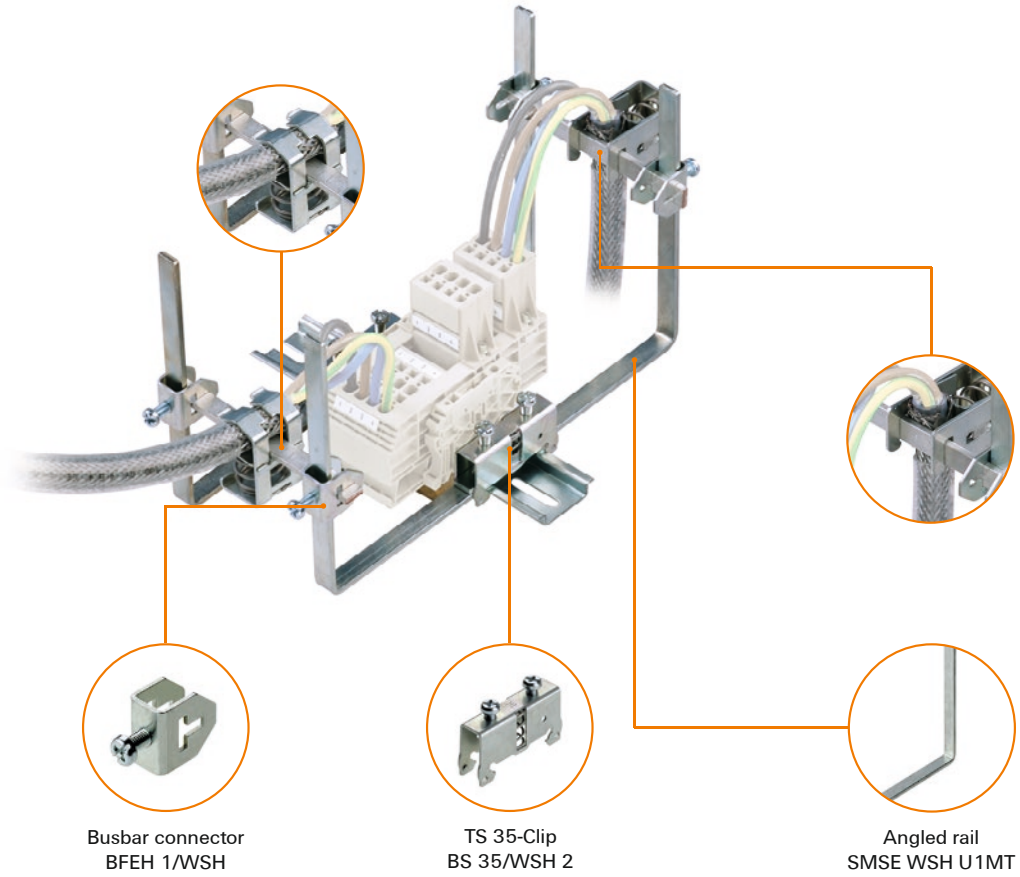
Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN		Copper	1	**0348900000**

Note

Rail support

Conductive mounting on TS 35

TS 35 clip
BS 35/WSH 2



Busbar connector
BFEH 1/WSH

TS 35-Clip
BS 35/WSH 2

Angled rail
SMSE WSH U1MT

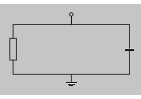
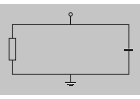
WSH

Ordering data

Type	Dimensions (H x W x D) mm	Qty.	Order No.
TS 35 clip			
BS 35/WSH 2	52 / 13 / 37	10	**1760720000**
Busbar connector			
BFEH 1/WSH	20 / 13.5 / 31	10	**1082400000**
Angled rail			
SMSE WSH U1 MT	134 / 10 / 134	10	**1083900000**
SMSE WSH 135/60 MT	123.5 / 10 / 3	10	**1246990000**
Rail support sets			
WSH 18 MT		10	**1083100000**
WSH 19 MT		10	**1083200000**

Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN		Copper	1	**0348900000**

Note

	KLBUE 10-20 RC TS 27	KLBUE 4-13.5 RC TS 27
	Clamping bracket	Clamping bracket
		
Width/Height/Depth mm	39.6 x 67.5 x 63.6 	37.5 x 67.5 x 55.6 

Technical data

Rated data		
Rated voltage	230 V AC	230 V AC
Conductors to be clamped:		
Cable diameter, min.	10 mm	4 mm
Cable diameter, max.	20 mm	13.5 mm
General data		
Continuous operating temp., min.	-25	-25
Continuous operating temp., max.	105	105
UL 94 flammability rating	V-0	V-0
Colour	black, Silver grey	black, Silver grey
Material	PA 66 GF 30	PA 66 GF 30
Component 1	Resistance 1 MΩ	Resistance 1 MΩ
Component 2	Capacitor 100 nF	Capacitor 100 nF
Installation advice	Direct mounting	Direct mounting
Note		

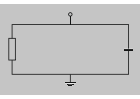
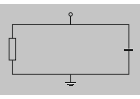
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
for shield connection with high pass	KLBUE 10-20 RC TS27	1	**1403050000**	KLBUE 4-13.5 RC TS27	1	**1403060000**
Note						

Accessories

Terminal rail	Type	Qty.	Order No.	Type	Qty.	Order No.
Marking tags						
	SM 27/8 K MC NE WS	80	**1812630000**	SM 27/8 K MC NE WS	80	**1812630000**
Operating tool						
	BTWZ KLBUE	1	**1742630000**	BTWZ KLBUE	1	**1742630000**
Screwdriver						
Standard	SDS 0.6X3.5X100	1	**2749340000**	SDS 0.6X3.5X100	1	**2749340000**
C-rail						
	TS 27X12.5M/ST/F.ZN	2	**1802690000**	TS 27X12.5M/ST/F.ZN	2	**1802690000**

For detailed information on other accessories and application in the online catalogue

	KLBUE 3-8 RC TS 35	KLBUE 3-8 RC TS 27
	Clamping bracket	Clamping bracket
		
Width/Height/Depth mm	35 x 67.5 x 50 	35 x 67.5 x 50 

Technical data

Rated data		
Rated voltage	230 V AC	230 V AC
Conductors to be clamped:		
Cable diameter, min.	3 mm	3 mm
Cable diameter, max.	8 mm	8 mm
General data		
Continuous operating temp., min.	-25	-25
Continuous operating temp., max.	105	105
UL 94 flammability rating	V-0	V-0
Colour	black, Silver grey	black, Silver grey
Material	PA 66 GF 30	PA 66 GF 30
Component 1	Resistance 1 MΩ	Resistance 1 MΩ
Component 2	Capacitor 100 nF	Capacitor 100 nF
Installation advice	Direct mounting	Direct mounting
Note		

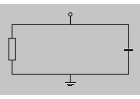
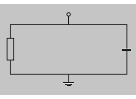
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
for shield connection with high pass	KLBUE 3-8 RC TS35	1	**1402830000**	KLBUE 3-8 RC TS27	1	**1403070000**
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal rail						
	TS 35X7.5 2M/ST/ZN	2	**0383400000**			
	TS 35X7.5/LL 2M/ST/ZN	2	**0514500000**			
	TS 35X15/LL 2M/ST/ZN	2	**0236500000**			
Marking tags						
	SM 27/8 K MC NE WS	80	**1812630000**	SM 27/8 K MC NE WS	80	**1812630000**
Operating tool						
	BTWZ KLBUE	1	**1742630000**	BTWZ KLBUE	1	**1742630000**
Screwdriver						
Standard	SDS 0.6X3.5X100	1	**2749340000**	SDS 0.6X3.5X100	1	**2749340000**
C-rail						
				TS 27X12.5M/ST/F.ZN	2	**1802690000**

For detailed information on other accessories and application in the online catalogue

	KLBUE 10-20 RC TS 35	KLBUE 4-13.5 RC TS 35
	Clamping bracket	Clamping bracket
		
Width/Height/Depth mm	39.6 x 67.5 x 63.6 	37.5 x 67.5 x 55.6 

Technical data

Rated data		
Rated voltage	230 V AC	230 V AC
Conductors to be clamped:		
Cable diameter, min.	10 mm	4 mm
Cable diameter, max.	20 mm	13.5 mm
General data		
Continuous operating temp., min.	-25	-25
Continuous operating temp., max.	105	105
UL 94 flammability rating	V-0	V-0
Colour	black, Silver grey	black, Silver grey
Material	PA 66 GF 30	PA 66 GF 30
Component 1	Resistance 1 MΩ	Resistance 1 MΩ
Component 2	Capacitor 100 nF	Capacitor 100 nF
Installation advice	Direct mounting	Direct mounting
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
for shield connection with high pass	KLBUE 10-20 RC TS35	1	**1403080000**	KLBUE 4-13.5 RC TS35	1	**1403090000**
Note						

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal rail	TS 35X7.5 2M/ST/ZN	2	**0383400000**	TS 35X7.5 2M/ST/ZN	2	**0383400000**
	TS 35X7.5/LL 2M/ST/ZN	2	**0514500000**	TS 35X7.5/LL 2M/ST/ZN	2	**0514500000**
	TS 35X15/LL 2M/ST/ZN	2	**0236500000**	TS 35X15/LL 2M/ST/ZN	2	**0236500000**
Marking tags						
	SM 27/8 K MC NE WS	80	**1812630000**	SM 27/8 K MC NE WS	80	**1812630000**
Operating tool						
	BTWZ KLBUE	1	**1742630000**	BTWZ KLBUE	1	**1742630000**
Screwdriver						
Standard	SDS 0.6X3.5X100	1	**2749340000**	SDS 0.6X3.5X100	1	**2749340000**
C-rail						

For detailed information on other accessories and application in the online catalogue



Equipotential bonding
General principles

Advancements in technology means that, electrical installations in buildings and industrial plants are becoming increasingly extensive and demanding. Furthermore, the application of high-frequency, complex industrial systems grows. In order to guarantee reliability and operational safety, it is necessary to protect machines and systems against overvoltage and electromagnetic coupling. This is achieved by equipotential bonding. The purpose of equipotential bonding is to connect all metallic parts with different potentials to each other so that they have approximately the same potential. In its product portfolio, Weidmüller has developed solutions for equipotential bonding in industrial environments.

What is the difference between grounding and Equipotential bonding?

Equipotential bonding

Compensation of different voltages
to a uniform level

Grounding

Connection of a point with that of the Earth

functional equipotential bonding

The functional equipotential bonding is used for exclusively functional purposes

protective equipotential bonding

An electrical connection is established between all conductive parts of the system, in order to be connected to the resulting equipotential boding the human being from an electric shock protect



Innovations in equipotential bonding

In cooperation with Weidmüller, market-leading floor trunking manufacturers have developed a new solution with pre-prepared cut-outs for equipotential bonding. This includes the addition of punchable holes to simplify wiring.

The new small equipotential bonding terminals FB 16-50 offer an efficient solution for fixing conductors of the equipotential bonding to the cable duct. This is particularly interesting for applications where the conductor must be routed through a cable duct over long distances without stubs.



Benefits:

- Simple wiring due to small space requirement
- More cost-effective wiring of the equipotential bonding system
- Use of several product compensation clamps without additional costs
- Possibility of setting up a close-meshed equipotential bonding system
- Achieving low impedance equipotential bonding

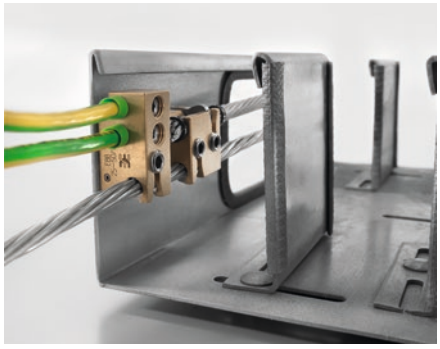


Benefits:

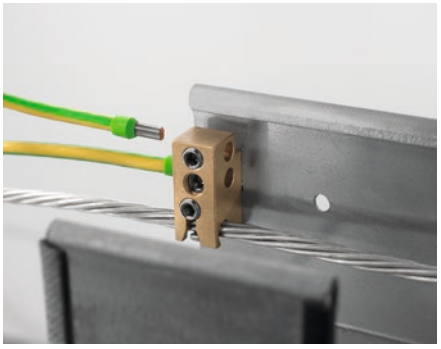
- Easier and more efficient wiring – without drilling
- Punching of holes without special tools
- High flexibility due to small hole spacing of max. 10 cm
- Cleaner working without drilling chips in the floor channel

Potential equalisation terminal block





Low installation height



Additional connection up to 16 mm²



Good visibility of the clamping screws

Technical data

Connection direction	on side
Tightening torque, min.	5 Nm
Clamping screw	M 6
Connection cross-section, flexible, min. / max.	10…50 mm²

Note

Ordering data

Type	Stripping length	Number of connections	Conductor min. / max.	Qty.	Order No.
Screw connection					
JB 25-50	33	2	10…50	10	**1547500000**
EBB 25-50/16	20	3	16 / 10…50	10	**1547490000**

Type	Description of article	Qty.	Order No.
SK WSD-S 1,5-10,0	Screwing tool	1	**9008850000**

Note

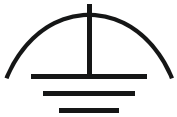
Practical tip

Functional earth terminal blocks

According to the Machinery Directive 2006/42EG, terminal blocks may be white when used for functional earthing. PE terminals with a protective function for life and limb must still be green-yellow, but can also be used for functional earthing. The symbols used are extended in order to clarify the use as a functional earth.

Weidmüller offers white PE terminals from the "A-, W- and Z series" product family for systems in which this distinction should or must be made. The colour of these terminals clearly indicates that the respective circuits are exclusively to provide functional protection for the connected electronic system.

Symbol for functional earth:



Symbol for protection earth:

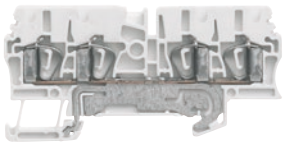


A-Series
with PUSH IN technology



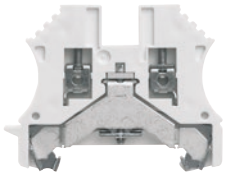
Type	Qty.	Order No.
A2C 2.5 FE	50	**2690460000**
A4C 2.5 FE	50	**2690470000**
A2C 4 FE	50	**2734150000**
A2C 6 FE	50	**2734160000**
A2C 10 FE	50	**2734170000**

Z-Series
with tension spring technology



Type	Qty.	Order No.
ZPE 2.5/4AN WS	50	**1698110000**

W-Series
with clamping-yoke technology



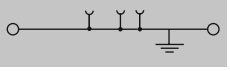
Type	Qty.	Order No.
WPE 2.5 WS	100	**1010010000**

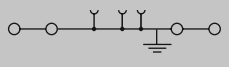
	A2C 2.5 FE	A4C 2.5 FE
	2.5 mm²	2.5 mm²





Width/Height/Depth	mm	5.1 x 55 x 36.5	5.1 x 77.5 x 36.5
max. current / max. cond. cross-section	-/mm²	/ 2.5	/ 2.5
Max. clamping range	mm²	0.14...2.5	0.14...2.5





Technical data

Rated data		IEC 60947-7-2				IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	-								
Rated current	-								
for wire cross-section	mm²	2.5				2.5			
Rated impulse withstand voltage / Pollution severity				/ 3				/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0				A3 / V-0	
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Twin wire-end ferrule	mm²	0.5...0.75				0.5...0.75			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note									

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	white	A2C 2.5 FE	50	2690460000	A4C 2.5 FE	50	2690470000
Note							

Accessories

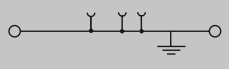
		Type		Qty.	Order No.	Type		Qty.	Order No.
End plate		AEP 2C 2.5		50	1514400000	AEP 2C 2.5		50	1514400000
	dark beige								
End bracket		AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
	dark beige, screwable	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
	dark beige, direct mounting								
Test adapter		ATPG 1.5-10 L	0.2 A	50	1991890000	ATPG 1.5-10 L	0.2 A	50	1991890000
	1-pole	ATPG 2.5 MI-R	0.2 A	50	1991960000	ATPG 2.5 MI-R	0.2 A	50	1991960000
	stackable	ATPG 2.5/3	0.2 A	25	2041190000	ATPG 2.5/3	0.2 A	25	2041190000
	3-pole	ATPG 2.5/5	0.2 A	25	2041180000	ATPG 2.5/5	0.2 A	25	2041180000
	5-pole								
Test plug		PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver									
	Standard	SDIL 0,6X3,5X100		1	2749140000	SDIL 0,6X3,5X100		1	2749140000
Marking tags									
		DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/5 PLUS MC NE WS		1000	1854490000
		DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
		WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000
		WS 10/5 M PLUS MC NE WS		600	2003770000	WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue

A2C 4 FE — 4 mm²



6.1 x 60 x 39.5
/ 4
0.14...4



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4			
/ 3			
A4 / V-0			

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

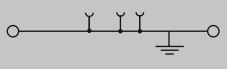
Type	Qty.	Order No.
A2C 4 FE	50	**2734150000**

Type		Qty.	Order No.
AEP 2C 4		50	**2051680000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 4 MI-R	0.2 A	50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

A2C 6 FE — 6 mm²



8.1 x 66.5 x 45.5
/ 6
0.34...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6			
/ 3			
A5 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...6
0.5...1.5
12 / 0.6 x 3.5 mm

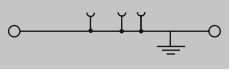
Type	Qty.	Order No.
A2C 6 FE	50	**2734160000**

Type		Qty.	Order No.
AEP 2C 6		50	**1991970000**
AEB 35 SC/1		50	**1991920000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 6 MI-R	0.2 A	50	**1991930000**
PS 2.0 MC		20	**0310000000**
SDIL 1,0X5,5X125		1	**2749160000**
DEK-A 5/8 MM WS		500	**2448860000**
DEK 5/8 PLUS MC NE WS		800	**1046350000**
WS-A 8/8 MM WS		500	**2448930000**
WS 10/8 PLUS MC NE WS		420	**1905950000**

A2C 10 FE — 10 mm²



10 x 80.5 x 51.5
/ 10
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10			
/ 3			
A6 / V-0			

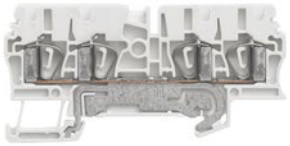
Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
0.5...4
18 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 10 FE	50	**2734170000**

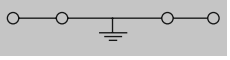
Type	Qty.	Order No.
AEP 2C 10/16	20	**2490380000**
AEB 35 SC/1	50	**1991920000**
AEB 35 SCL/1 V0	20	**2661280000**
PS 2.0 MC	20	**0310000000**
SDIL 1,0X5,5X125	1	**2749160000**
WS 7.8/9.2 PLUS MC NE GR	360	**1208970000**

Shielding and earthing
Functional earth – Tension clamp connection

ZPE 2.5/4AN WS | **2.5 mm²**



Width/Height/Depth	mm	5.1 x 79.5 x 38.5
max. current / max. cond. cross-section	-/mm²	**/ 4**
Max. clamping range	mm²	**0.05...4**



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage -				
Rated current -				
for wire cross-section mm²	2.5			
Rated impulse withstand voltage / Pollution severity		/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals	CE			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
white	ZPE 2.5/4AN WS	50	**1698110000**

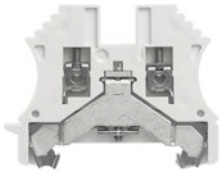
Note

Accessories

End bracket	Type	Qty.	Order No.
dark beige	ZEW 35	20	**9540000000**
Test adapter			
With spigot	ZTA 1/ZA 9 A	25	**1609050000**
Reducing sleeves			
for conductors < 0.5 mm² / AWG 20	ZRH 2.5/1 WS	1000	**1614300000**
for conductors < 1.0 mm² / AWG 18	ZRH 2.5/2 GR/V0	1000	**1614290000**
Marking tags			
	BZT 1 WS 10/5	100	**1805490000**
	BZT 1 ZA WS 10/5	100	**1805520000**
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	**2749610000**

For detailed information on other accessories and application in the online catalogue

WPE 2.5 WS | 2.5 mm²



Width/Height/Depth	mm	5.1 x 60 x 46.5
max. current / max. cond. cross-section	-/mm²	/ 4
Max. clamping range	mm²	0.05...4



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage -				
Rated current -				
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals	CE			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
white	WPE 2.5 WS	50	1010010000

Note

Accessories

End plate / Partition plate	Type	Qty.	Order No.
dark beige	WAP 2.5-10	50	1050000000
End bracket			
dark beige	WEW 35/2	50	1061200000
Screwdriver			
Standard	SDS 0.6X3.5X100	1	2749340000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 12/5 MC NE WS	720	1609860000

For detailed information on other accessories and application in the online catalogue

	A2C 35 FE	A2C 35 DM
	35 mm²	35 mm²
		
Width/Height/Depth mm	16 x 101.5 x 71.5	16 x 135 x 71.5
max. current / max. cond. cross-section A/mm²	**125 / 35**	**125 / 35**
Max. clamping range mm²	**2.5...35**	**2.5...35**

Technical data

	A2C 35 FE	A2C 35 DM
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Twin wire-end ferrule mm²		
Stripping length / Blade size mm/-		

IEC	UL	CSA	EN 60079-7
1000	1000		880
125			105
35	AWG 12...2		35 mm²
	8 kV / 3		
	/ V-0		

Rated connection
2.5...16 / 10...35
10...35 / 2.5...35
2.5...10
25 / 1.0 x 5.5 mm

Note

Ordering data

Version	A2C 35 FE	A2C 35 DM
	yellow/black	

Type	Qty.	Order No.
A2C 35 FE	10	**2551530000**
A2C 35 FE DM	10	**2552160000**

Note

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 35N/2	125 A	10	**2634950000**
2-pole	ZQV 35N-10	57 A	10	**2562670000**
2-pole	ZQV 35N-16	76 A	10	**2562660000**
Additional tap				
dark beige	AAC 35 2X6	42 A	5	**2583090000**
blue	AAC 35 2X6 BL	42 A	5	**2583170000**
black/yellow	AAC 35 2X6 BK-YL	42 A	5	**2583190000**
green/yellow	AAC 35 2X6 GN-YL		5	**2583180000**
End bracket				
dark beige, screwable	AEB 35 SC/1		50	**1991920000**
dark beige, direct mounting	AEB 35 SCL/1 VO		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Warning labels				
	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags				
	WS-A 8/16 MM WS		200	**2619910000**
Cross connections insertable				
2-pole				
3-pole				

	Type		Qty.	Order No.
	ZQV 35N/2	125 A	10	**2634950000**
	ZQV 35N-10	57 A	10	**2562670000**
	ZQV 35N-16	76 A	10	**2562660000**
	AAC 35 2X6	42 A	5	**2583090000**
	AAC 35 2X6 BL	42 A	5	**2583170000**
	AAC 35 2X6 BK-YL	42 A	5	**2583190000**
	AAC 35 2X6 GN-YL		5	**2583180000**
	AEB 35 SC/1		50	**1991920000**
	AEB 35 SCL/1 VO		20	**2661280000**
	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	PS 2.0 MC		20	**0310000000**
	SDS 1.0X5.5X150		1	**2749380000**
	AAM 35-185 YE FLASH		40	**2635600000**
	WS-A 8/16 MM WS		200	**2619910000**

For detailed information on other accessories and application in the online catalogue

A2C 50/70 FE — 50 mm²



20 x 101.5 x 80.5
150 / 70
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		
150			
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

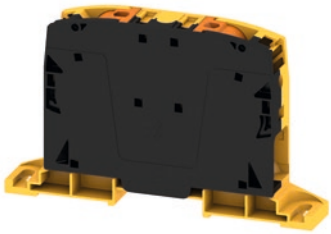
cULus

Rated connection
10...70 / 10...70
10...70 / 10...50
4...10
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 50/70 FE	5	2663270000

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL		5	2663440000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000
ZQV 50/70N/2	150 A	10	2663400000

A2C 50/70 FE-DM — 50 mm²



20 x 134 x 80.5
150 / 70
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		
150			
50	AWG 8...0		
	8 kV / 3		
	/ V-0		

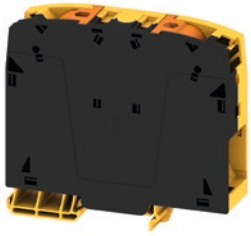
cULus

Rated connection
10...70 / 10...70
10...70 / 10...50
4...10
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 50/70 FE-DM	5	2663350000

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL		5	2663440000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000
ZQV 50/70N/2	150 A	10	2663400000

A2C 95/120 FE — 95 mm²



25 x 101.5 x 90
232 / 120
25...120



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
232			
95			
		/ 3	
		/ V-0	

CE

Rated connection
25...120 / 25...120
25...120 / 25...95
30 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 95/120 FE	10	2694080000

Type		Qty.	Order No.
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL		5	2663440000
AEB 35 SC/1		50	1991920000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000
ZQV 95/120N/2	232 A	10	2694250000
ZQV 95/120N/3	232 A	10	2694260000

Shielding and earthing
Functional earth – PUSH IN connection

A2C 95/120 FE-DM — **95 mm²**



Width/Height/Depth	25 x 133.5 x 90 mm
max. current / max. cond. cross-section	**232 / 120** A/mm²
Max. clamping range	**25...120** mm²



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	1000			
Rated current (A)	232			
for wire cross-section (mm²)	95			
Rated impulse withstand voltage / Pollution severity			/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0	
Approvals	CE			
Clamped conductors (H05V/H07V)				
Solid / Stranded (mm²)	25...120 / 25...120			
Flexible / Flexible with ferrule (mm²)	25...120 / 25...95			
Twin wire-end ferrule (-)				
Stripping length / Blade size (mm/-)	30 / 1.0 x 5.5 mm			
Note				

Ordering data

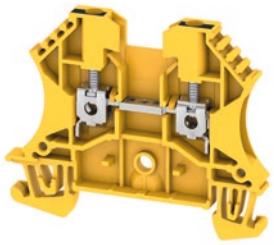
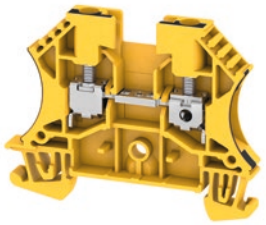
Version	Type	Qty.	Order No.
yellow/black	A2C 95/120 FE-DM	5	**2694170000**
Note			

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole				
2-pole				
2-pole				
Additional tap				
dark beige	AAC 50-185 2X10	57 A	5	**2663420000**
blue	AAC 50-185 2X10 BL	57 A	5	**2663430000**
black/yellow	AAC 50-185 2X10 BK-YL	57 A	5	**2663450000**
green/yellow	AAC 50-185 2X10 GN-YL		5	**2663440000**
End bracket				
dark beige, screwable				
dark beige, direct mounting				
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Warning labels				
	AAM 35-185 YE FLASH		40	**2635600000**
Marking tags				
	WS-A 8/16 MM WS		200	**2619910000**
Cross connections insertable				
2-pole	ZQV 95/120N/2	232 A	10	**2694250000**
3-pole	ZQV 95/120N/3	232 A	10	**2694260000**

For detailed information on other accessories and application in the online catalogue



	WDU 2.5	WDU 4
	2.5 mm²	4 mm²
		
Width/Height/Depth mm	5.1 x 60 x 46.5	6.1 x 60 x 46.5
max. current / max. cond. cross-section A/mm²	32 / 4	41 / 6
Max. clamping range mm²	0.05...4	0.13...6

Technical data

	WDU 2.5	WDU 4
Rated data		
Rated voltage V	800	800
Rated current A	24	32
for wire cross-section mm²	2.5	4
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A4 / V-0
Approvals		DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...6 / 1.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...6 / 0.5...4
Tightening torque (clamping screw for copper conductors) -	/ (M 2.5)	/ (M 3)
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded -		0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Note		Note max. current of terminal (41 A) when using WQV!

IEC 60947-7-1 — Ex eb II C Gb — II 2 G D

	WDU 2.5	WDU 4
IEC	800	800
UL	24	32
CSA	2.5	4
EN 60079-7		690 / 32 / 4 mm²

Ordering data

	Type	Qty.	Order No.
Version			
yellow/black	WDU 2.5 GE/SW	100	2429520000
Note			

	Type	Qty.	Order No.
Version			
yellow/black	WDU 4 GE/SW	100	1020190000
Note	Rated voltage is 400 V when using the ZQV cross-connector		

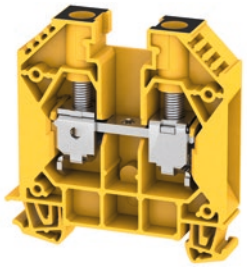
Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
2-pole				
10-pole				
Screwable cross-connection				
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP 2.5-10		50	1050000000
Blue	WAP 2.5-10 BL		50	1050080000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000
Blue	WAP 16+35 WTW 2.5-10 BL		20	1050180000
End bracket				
dark beige	WEW 35/2		50	1061200000
Testing / Checking				
Standard	WTA 2 WDU2.5-10	6 A	25	1632320000
With spigot	WTA 2/ZA WDU2.5-10	6 A	25	1632330000
Cover				
Blank, yellow	WAD 5 MC NE GE		48	1112920000
Blank, white	WAD 5 MC NE WS		48	1112910000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

	Type		Qty.	Order No.
	ZQV 4N/2	32 A	60	1527930000
	ZQV 4N/10	32 A	20	1528090000
	WQV 4/2	41 A	50	1051960000
	WQV 4/10	41 A	20	1052060000
	WAP 2.5-10		50	1050000000
	WAP 2.5-10 BL		50	1050080000
	WAP 16+35 WTW 2.5-10		20	1050100000
	WAP 16+35 WTW 2.5-10 BL		20	1050180000
	WEW 35/2		50	1061200000
	WTA 3 WDU4	6 A	25	1632350000
	WTA 3/ZA WDU4	6 A	25	1632360000
	WAD 5 MC NE GE		48	1112920000
	WAD 5 MC NE WS		48	1112910000
	DEK 5/6 MM WS		600	2007120000
	WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2,8 1056400000.

	WDU 16	16 mm²	WDU 16N	16 mm²
				
Width/Height/Depth mm	11.9 x 60 x 62.5		12 x 60 x 46.5	
max. current / max. cond. cross-section A/mm²	**101 / 25**		**101 / 25**	
Max. clamping range mm²	**0.82...25**		**1.5...25**	

Technical data

	WDU 16				WDU 16N			
Rated data								
Rated voltage V	IEC 60947-7-1				IEC 60947-7-1			
Rated current A								
for wire cross-section mm²								
Rated impulse withstand voltage / Pollution severity								
Gauge to IEC 60947-1 / UL 94 flammability rating								
Approvals								
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²								
Flexible / Flexible with ferrule mm²								
Tightening torque (clamping screw for copper conductors) -								
Stripping length / Blade size mm/-								
2 conductors with same cross-section (H05V/H07V)								
Solid / Stranded -								
Flexible / Flexible with ferrule mm²								

	IEC	UL	CSA	EN 60079-7
	1000			690
	76			76
	16			16 mm²
			8 kV / 3	
			B7 / V-0	
				DEMKO14ATEX1338U

	Rated connection	Further connection
	1.5...16 / 1.5...25	
	1.5...25 / 1.5...16	
	/ (M 5)	
	16 / 1.0 x 5.5 mm	
	/ 1.5...6	
	1.5...6 / 1.5...6	

	IEC	UL	CSA	EN 60079-7
	690	600		
	76	70		
	16	AWG 14...6		
			8 kV / 3	
			B7 / V-0	

	Rated connection	Further connection
	1.5...16 / 1.5...25	
	1.5...16 / 1.5...16	
	/ (M 4)	
	12 / 1.0 x 5.5 mm	

Note

Ordering data

Version	Type	Qty.	Order No.
yellow/black	WDU 16 GE/SW	50	**2000040000**

Version	Type	Qty.	Order No.
yellow/black	WDU 16N GE/SW	50	**2000050000**

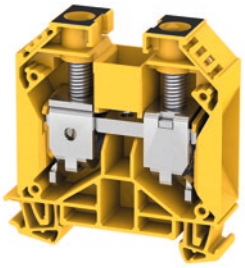
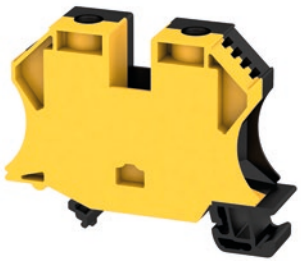
Note

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 16/2	101 A	50	**1053260000**
3-pole				
4-pole				
10-pole	WQV 16/10	101 A	10	**1053360000**
End plate / Partition plate				
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 12 M.BL.		50	**1055960000**
Blank, white	WAD 12 NEUTRAL		50	**1056260000**
Additional connection				
4mm²				
10 mm²				
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Testing / Checking				
Standard				

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 16N/2	76 A	50	**1636560000**
3-pole				
4-pole	WQV 16N/4	76 A	50	**1636580000**
10-pole				
End plate / Partition plate				
dark beige	WTW EN		20	**1058800000**
Blue				
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Cover				
With lightning flash symbol	WAD 12N GE BED		50	**1073200000**
Blank, white	WAD 12N WS		50	**1073290000**
Additional connection				
4mm²				
10 mm²				
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/12 MC NE WS		300	**1905970000**
Testing / Checking				
Standard	WTA 2 WDU2.5-10	6 A	25	**1632320000**

For detailed information on other accessories and application in the online catalogue

	WDU 35	35 mm²	WDU 35N	35 mm²
				
Width/Height/Depth mm	16 x 60 x 62.5		16 x 66 x 50.5	
max. current / max. cond. cross-section A/mm²	**150 / 50**		**150 / 50**	
Max. clamping range mm²	**2.5...50**		**2.5...50**	

Technical data

Rated data						
Rated voltage V	IEC 60947-7-1			Ex eb II C Gb II 2 G D		
Rated current A	**IEC**	**UL**	**CSA**	**EN 60079-7**		
for wire cross-section mm²	1000			690		
Rated impulse withstand voltage / Pollution severity	125			115		
Gauge to IEC 60947-1 / UL 94 flammability rating	35			35 mm²		
Approvals			8 kV / 3			
			B8 / V-0			
				DEMKO14ATEX1338U		
Clamped conductors (H05V/H07V)	**Rated connection**		**Further connection**			
Solid / Stranded mm²	2.5...16 / 2.5...50					
Flexible / Flexible with ferrule mm²	2.5...35 / 2.5...35					
Tightening torque (clamping screw for copper conductors) -	/ (M 6)					
Stripping length / Blade size mm/-	18 / 6.5 x 1.2 mm					
2 conductors with same cross-section (H05V/H07V)						
Solid / Stranded -						
Flexible / Flexible with ferrule -						
Note						

	IEC 60947-7-1			Ex eb II C Gb II 2 G D		
	IEC	**UL**	**CSA**	**EN 60079-7**		
	500			352		
	125			110		
	35			35 mm²		
			6 kV / 3			
			B8 / V-0			
				DEMKO14ATEX1338U		
	Rated connection		**Further connection**			
	2.5...16 / 2.5...50					
	2.5...35 / 2.5...35					
	/ (M 6)					
	18 / 6.5 x 1.2 mm					

Ordering data

Version	Type		Qty.	Order No.
yellow/black	WDU 35 GE/SW		40	**2000060000**
Note				

Type		Qty.	Order No.
WDU 35N GE/SW		20	**2000090000**

Accessories

Screwable cross-connection	Type		Qty.	Order No.
2-pole	WQV 35/2	138 A	50	**1053060000**
3-pole				
4-pole				
10-pole	WQV 35/10	112 A	10	**1053160000**
End plate / Partition plate				
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 12 M.BL.		50	**1055960000**
Blank, white	WAD 12 NEUTRAL		50	**1056260000**
Additional connection				
4mm²				
10 mm²				
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Testing / Checking				
Standard				

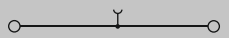
Type		Qty.	Order No.
WQV 35N/2	125 A	20	**1079200000**
WQV 35N/4	125 A	20	**1079400000**
WTW EN		20	**1058800000**
WEW 35/2		50	**1061200000**
WAD 16N GE BED		50	**1083600000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

WDU 50N | 50 mm²



18.5 x 70 x 69.6
192 / 70
10...70



IEC 60947-7-1

Ex eb II
C Gb



II 2 G D

IEC	UL	CSA	EN 60079-7
1000			690
150			126
50			50 mm²
	8 kV / 3		
	B10 / V-0		
CE			DEMKO14ATEX1338U

Rated connection	Further connection
6...16 / 6...70	
10...50	
/ (M 6)	
24 / S4 (DIN 6911)	

Type	Qty.	Order No.
WDU 50N GE/SW	10	**2000080000**

Type		Qty.	Order No.
WQV 50N/2	150 A	5	**1834060000**
WQV 50N/3	150 A	5	**1834070000**
WQV 50N/4	150 A	5	**1834080000**
WEW 35/1		50	**1059000000**
WAD 20 GE WSD		10	**9512260000**
WZAD 50N	41 A	5	**1872720000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

	WDU 70N/35	70 mm²	WDU 95N/120N	120 mm²
				
Width/Height/Depth mm	20.5 x 75 x 85		27 x 91 x 90	
max. current / max. cond. cross-section A/mm²	**232 / 95**		**290 / 150**	
Max. clamping range mm²	**16...95**		**16...150**	

Technical data

	WDU 70N/35				WDU 95N/120N			
Rated data								
Rated voltage V	IEC 60947-7-1		Ex eb II C Gb	II 2 G D	IEC 60947-7-1		Ex eb II C Gb	II 2 G D
Rated current A	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section mm²	1000	600		690	1000			880
Rated impulse withstand voltage / Pollution severity	192	150		184	269			221
Gauge to IEC 60947-1 / UL 94 flammability rating	70	AWG 6...0		70 mm²	120			120 mm²
Approvals		8 kV / 3				8 kV / 3		
		B11 / V-0				B13 / V-0		
	DEMKO14ATEX1338U				DEMKO14ATEX1338U			
Clamped conductors (H05V/H07V)	**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Solid / Stranded mm²	16...16 / 16...95				16...16 / 16...150			
Flexible / Flexible with ferrule mm²	16...70 / 16...50				16...120			
Tightening torque (clamping screw for copper conductors) -	/ (M 8)				/ (M 10)			
Stripping length / Blade size mm/-	22 / S6 (DIN 6911)				27 / S6 (DIN 6911)			
2 conductors with same cross-section (H05V/H07V)								
Solid / Stranded -								
Flexible / Flexible with ferrule -								
Note								

Ordering data

	WDU 70N/35			WDU 95N/120N		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
yellow/black	WDU 70N/35 GE/SW	10	**2000100000**	WDU 95N/120N GE/SW	5	**2000110000**
Note						

Accessories

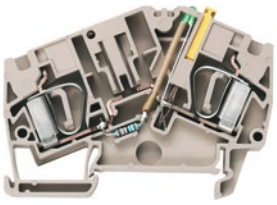
	WDU 70N/35				WDU 95N/120N			
Screwable cross-connection	**Type**		**Qty.**	**Order No.**	**Type**		**Qty.**	**Order No.**
2-pole	WQV 70N/2	192 A	5	**9512240000**	WQV 95N/120N/2	269 A	5	**1826890000**
3-pole	WQV 70N/3	192 A	5	**9512250000**	WQV 95N/120N/3	269 A	5	**1826900000**
4-pole	WQV 70N/4	192 A	5	**9531290000**	WQV 95N/120N/4	269 A	5	**1826910000**
End bracket								
dark beige	WEW 35/1		50	**1059000000**	WEW 35/1		50	**1059000000**
Cover								
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**	WAD 20 GE WSD		10	**9512260000**
Additional connection								
10 mm²	WZAD 70N	41 A	5	**1964830000**	WZAD 95N/120N	41 A	5	**1859580000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

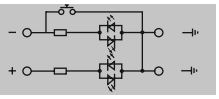


ZTR 6-2 E

6 mm²



Width/Height/Depth	mm	16.2 x 70 x 50
max. current / max. cond. cross-section	A/mm²	**20 / 10**
Max. clamping range	mm²	**0.05...10**



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	230	300		
Rated current	A	20	25		
for wire cross-section	mm²	6	AWG 22...8		
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A5 / V-0	
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...6 / 0.5...6			
Twin wire-end ferrule	-				
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige, 230 V UC	ZTR 6-2 E / 230V UC	10	**8817930000**
dark beige, 24 V DC	ZTR 6-2 E / 24V UC	10	**8817920000**
Note			

Accessories

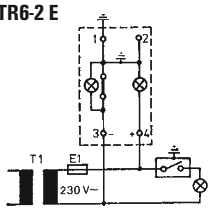
	Type		Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP ZDU6-2		50	**1771440000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 7/ZA	9 A	25	**1780670000**
Screwdriver				
Standard	SDIS 0.6X3.5X100		1	**2749810000**

For detailed information on other accessories and application in the online catalogue

Operation mode

Operating mode

ZTR6-2 E

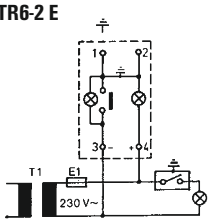


- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

Test position

When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must first be disconnected.

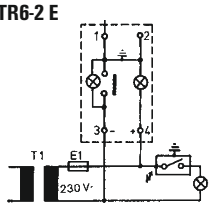
ZTR6-2 E



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must be disconnected.

Operational malfunction

ZTR6-2 E

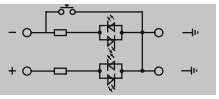


- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red

WTR 35 E | 35 mm²



Width/Height/Depth	mm	32 x 100 x 67.5
max. current / max. cond. cross-section	A	**125 / 35**
Max. clamping range	mm²	**4...35**



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal				
Rated current	125			
for wire cross-section	35			
Rated impulse withstand voltage / Pollution severity			0.8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B9 / V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	4...16 / 10...35			
Flexible / Flexible with ferrule mm²	4...35 / 4...35			
Tightening torque (clamping screw for copper conductors) -	/ (M 6)			
Stripping length / Blade size mm/-	18 / 1.2 x 6.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
dark beige, 24 V DC	WTR 35 E	5	**1045970000**
Note			

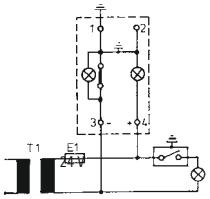
Accessories

End bracket	Type	Qty.	Order No.
dark beige	WEW 35/1	50	**1059000000**
Screwdriver			
Standard	SDS 1.2X6.5X150	1	**2749390000**
Marking tags			
	WS 12/6 MC NE WS	600	**1609900000**

For detailed information on other accessories and application in the online catalogue

Operation mode

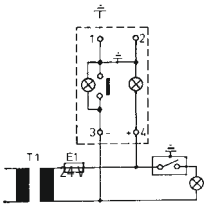
Operating mode



- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

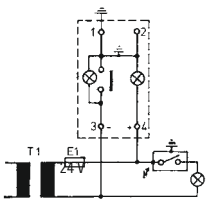
Test position

When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must first be disconnected.



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must be disconnected.

Operational malfunction



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red

Compact planning, structured wiring

Klippon® Connect makes your installation wiring more effective

Installation wiring poses particular challenges in terms of the design of terminal blocks. The solutions need to be both economical and compact. Simple handling and clarity also need to be guaranteed. Installation distribution and small distributors offer little space for wiring. Our terminal blocks for building installations meet all requirements here. For example, the PUSH IN technology allows a particularly compact design while retaining its clarity, thus enabling simple and safe wiring of your building infrastructure.

Our promise

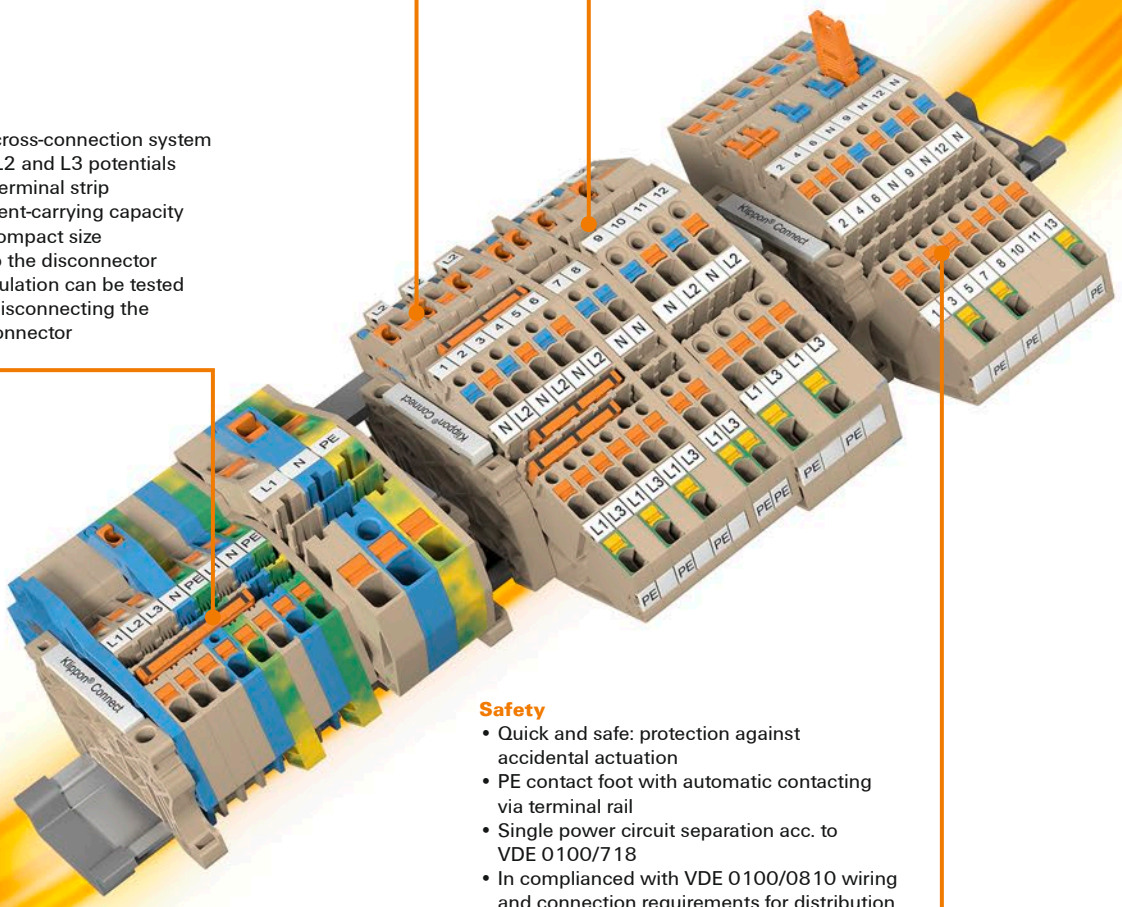
Our terminal blocks open up added-value options when it comes to wiring your building infrastructure. Thanks to the wide product range and the comfortable handling of the PUSH IN terminal blocks, Klippon® Connect helps improve flexibility and efficiency even from the planning phase.



Time saving
- Simple configuration and ordering of terminal strips using the Weidmüller Configurator
- More flexibility: it is simple to replace the PDL PUSH IN terminal blocks in the group
- Innovative screwless N-slider

Space saving
- Really compact design of PUSH IN terminal blocks
- Neutral busbars for all terminals at the same level
- Double cross-connection channel despite compact design

Flexibility
- 3-phase cross-connection system with L1, L2 and L3 potentials within a terminal strip
- High current-carrying capacity despite compact size
- Thanks to the disconnector slider, insulation can be tested without disconnecting the neutral connector



Safety
- Quick and safe: protection against accidental actuation
- PE contact foot with automatic contacting via terminal rail
- Single power circuit separation acc. to VDE 0100/718
- In complianced with VDE 0100/0810 wiring and connection requirements for distribution systems in public buildings



Our range

The right solution for every requirement:
For building installation, we offer a perfectly tailored overall system based on 10×3 copper rails. These consist of installation, distribution and neutral conductor terminals in various connection technologies and an extensive range of accessories.



More effective wiring with PUSH IN:
Our PUSH IN terminal blocks for building and plant installation are impressively easy to handle and very flexible. This comprehensive range covers all the important terminal block functions and offers you significant benefits in all processes. You will benefit from reduced installation times, as well as increased performance data and clarity, thanks to the compact design.

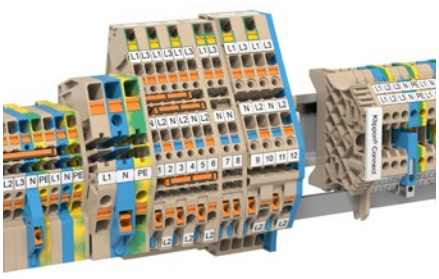
Klippon® Connect AITB building installation wiring terminal blocks

Get real added value for your building installations

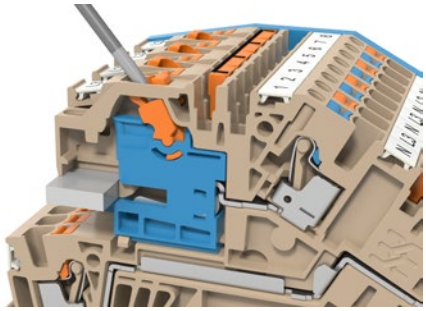
A large number of standards and regulations govern the building industry. As a result, high safety standards must be met for electrical installations. These standards also apply to a wide range of components that have to be integrated into complex control cabinets in a confined space.

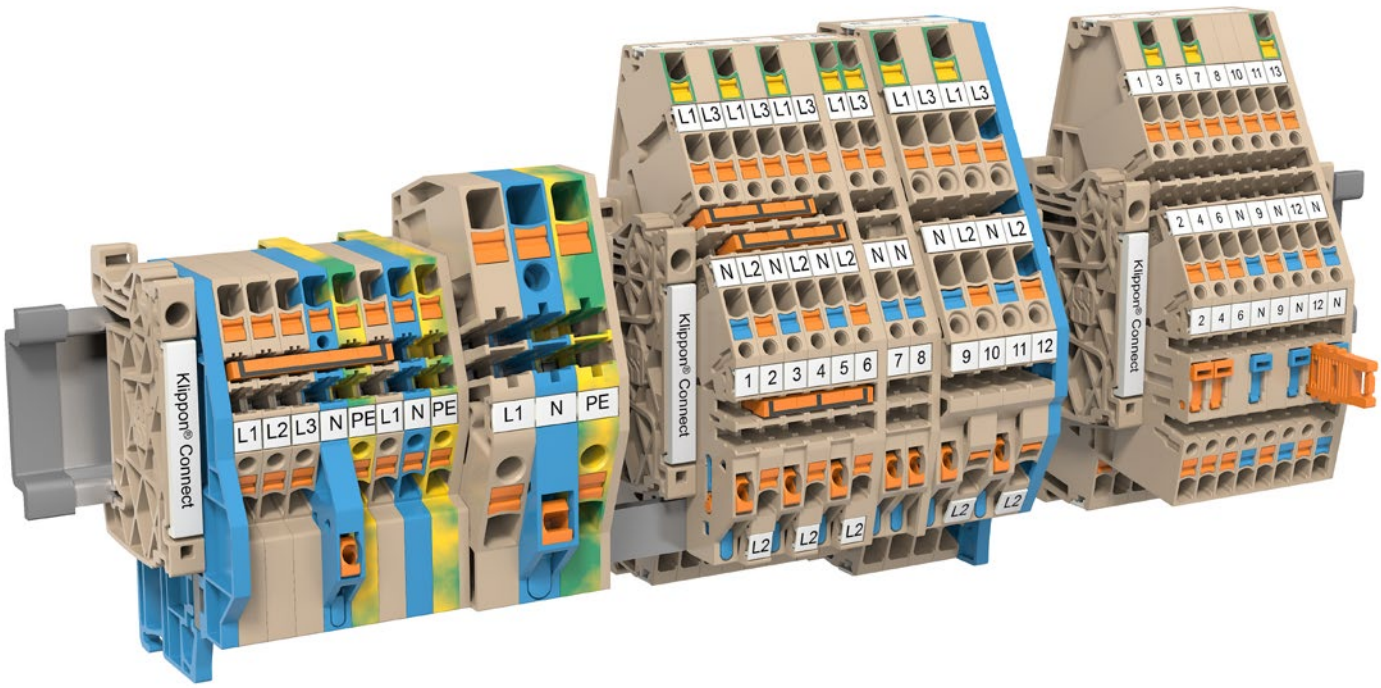
Our new AITB modular terminal block system was specially developed to meet the specific requirements and safety regulations for wiring in building installations. Special features of the series ensure real added value in planning, installation and operation on site.

Combination of different connection techniques
A uniform busbar position enables the combination of different terminal block products and connection technologies in one complete system. For large cross-sections – e.g. N conductors – the side screw terminal connection is available. Terminal blocks with convenient PUSH IN connection technology are used to collect and distribute potentials.



Safe disconnection of the neutral conductor
The neutral conductor can be separated from the busbar quickly and easily with a screwdriver. A clearly visible status display indicates the current contact position of the disconnecting slide. This reliably prevents operating errors.

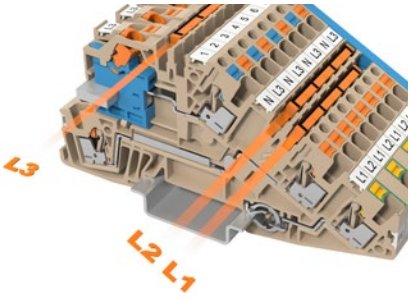




Digital assembly in the WMC
In the Weidmüller Configurator (WMC) you can digitally plan, assemble, and directly order complete terminal rails – including accessories. You can also create complete parts lists and installation instructions for production. In this way, failures can be avoided and costs can be saved.



Flexible cross-connection options
The continuous cross-connection channels of our modular terminal blocks AITB increase flexibility and save wiring time. Structures in the 400 V three-phase system can be cross-connected easily and conveniently with the phase conductors L1, L2, and L3.



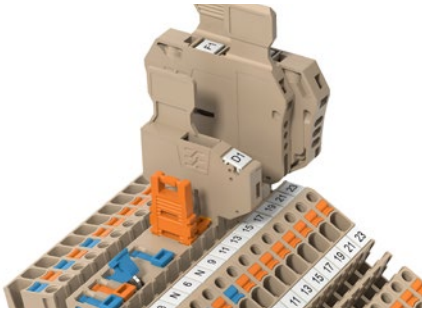
Plan, install, and operate optimally

Planning – with perfect support

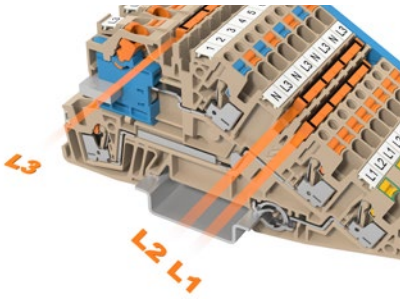
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Flexible cross-connection options
The continuous cross-connection channels of our modular terminal blocks AITB increase flexibility and save wiring time. Structures in the 400 V three-phase system can be cross-connected easily and conveniently with the phase conductors L1, L2, and L3.



Flexible Querverbindungsmöglichkeiten
Die durchgängigen Querverbindungskanäle unserer Installationsreihenklemmen AITB erhöhen die Flexibilität und sparen Verdrahtungszeit. Aufbauten im 400-V-Drehstromnetz lassen sich mit den Außenleitern L1, L2 und L3 einfach und komfortabel querverbinden.



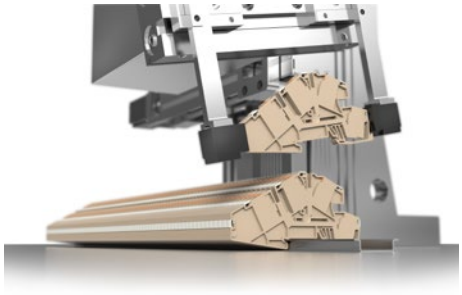
Standard-compliant safety
Our modular terminal blocks AITB are regularly inspected by independent test centres to ensure maximum product safety within the switchgear. This is immediately shown by the corresponding test marks on the products and product labels.

VDE

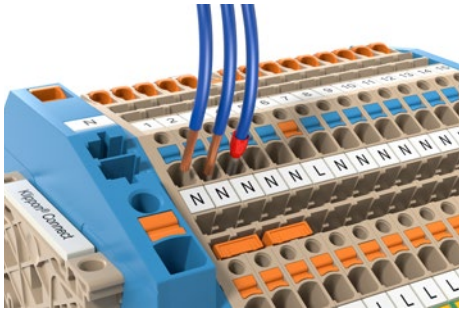
Plan, install, and operate optimally

Installation – simple, fast, and safe

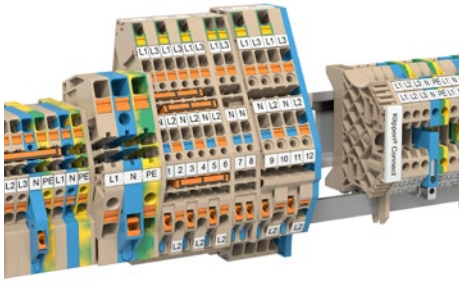
Ready to robot
Our modular terminal blocks AITB already support robot-assisted assembly, marking, and wiring. So you are optimally prepared for the advancing partial automation in control cabinet construction.



Convenient PUSH IN technology
NYM cables and other solid conductors are simply pushed into the clamping point after stripping to create a reliable connection. Even fine-stranded conductors can be connected by simply pressing the coloured pusher. No special tools required!



Combination of different connection techniques
A uniform busbar position enables the combination of different terminal block products and connection technologies in one complete system. For large cross-sections – e.g. N conductors – the side screw terminal connection is available. Terminal blocks with convenient PUSH IN connection technology are used to collect and distribute potentials.

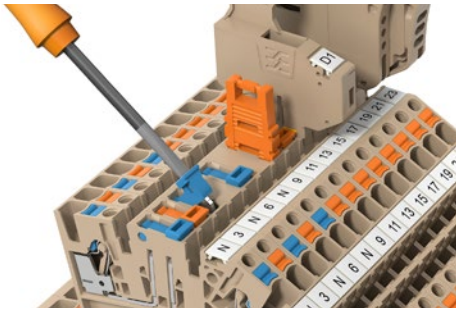


Clearly distinguishable functional areas
The different functional areas can be clearly distinguished by shape or colour. For example, conductor connection, cross-connections, and test hole can be clearly identified. Installation and maintenance work can be carried out quickly and without errors.

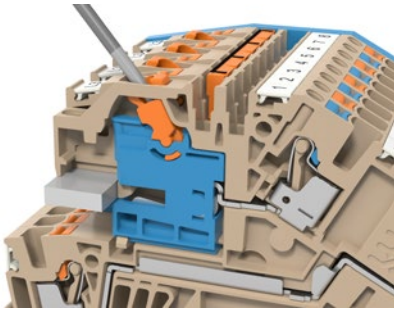


Plan, install, and operate optimally
Operation – norm-compliant and safe

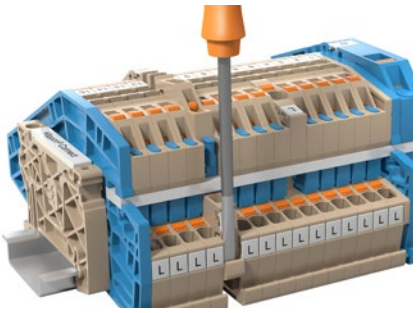
FI/LS circuits
If many FI/LS circuits are used in an installation, each N potential can be routed and separated via the individual isolator. This enables measuring the insulation resistance of all conductors to earth, as required by VDE 0100-718 and DIN VDE 0100-482, without disconnecting the neutral conductor.



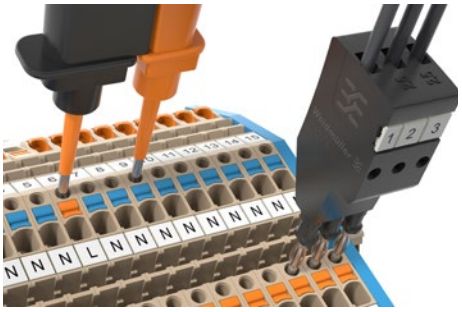
Safe disconnection of the neutral conductor
The neutral conductor can be separated from the busbar quickly and easily with a screwdriver. A clearly visible status display indicates the current contact position of the disconnecting slide. This reliably prevents operating errors.



Quick assembly and disassembly
AITB modular terminals can be mounted and dismantled quickly and easily – even in combination. This also applies if a busbar with modular terminal blocks AITB of the A-Series is already integrated into the system. This speeds up maintenance work and components can be retrofitted or replaced in a minimum of time.



Simple standardised system tests
With modular terminal blocks AITB, no conductive components can be reached with voltage testers when wired. This makes operation safer, but also hinders the use of test probes. In order to carry out the required measurements, standardised test holes with a practical snap-in mechanism have been integrated. Once the test probes are snapped in, the test report can be filled out while the measurement is in progress.



Easily meet growing safety standards

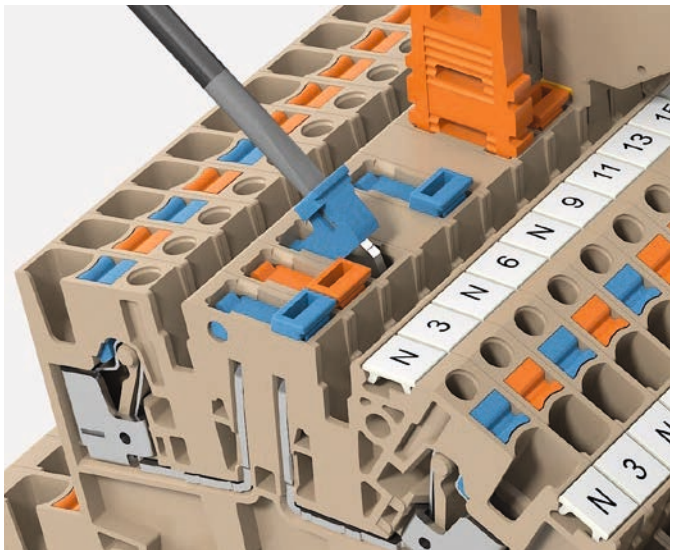
Standardised measurements in electrical switchgear

High safety requirements and standards in building technology protect the people who live and work in a building. For this purpose, there are numerous standards covering every component in the entire system, no matter how small. These norms and standards also increase the safety requirements for all electrical systems and their components – for example, the terminal block system that acts as the interface between the electrical system and the building.

Measurement of insulation resistance

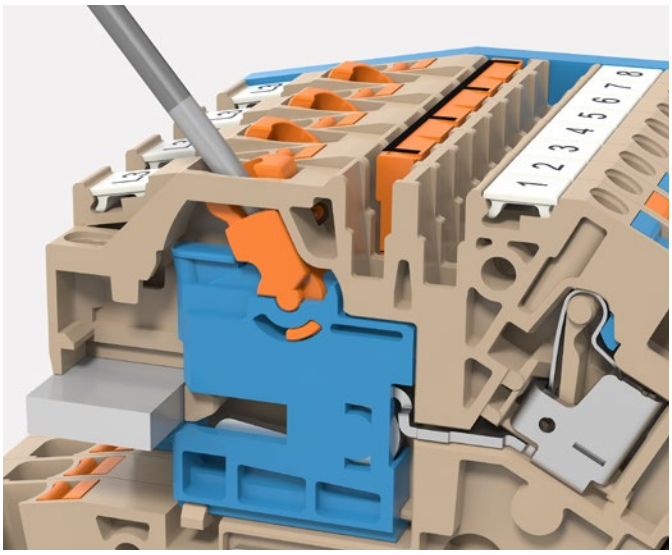
When planning and installing control cabinets in buildings, the opening and closing of circuits is one of the normative requirements. Depending on the number of circuit groups within an object, the separation can be carried out via a standard disconnector or a disconnecting slide. The required measurement of the insulation resistance of all conductors to earth must be carried out without disconnecting the neutral conductor in accordance with VDE 0100-718 and DIN VDE 0100-482. In smaller circuits with few current paths, the measurement is carried out using standard disconnectors. In larger circuits with many individual current paths, a disconnecting slide is used to ensure contact with the 10x3 busbar. The measurement itself could be realize conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block.

Measurements in small circuit groups



VDE 0100-718 and DIN VDE 0100-482 require a measurement of the insulation resistance of all conductors to earth without disconnecting the neutral conductor. In buildings with many FI/LS circuits, each room or current path may represent a single circuit that must be considered separately during the measurement. With the AITB terminal blocks, each N potential can be routed separately via individual isolators and separated for insulation measurements. The measurement itself could be realize conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block.

Measurements in large circuit groups



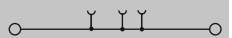
In large circuit groups, the safe contact to the copper bar is established via a disconnecting slide. This closes a circuit that extends over the isolating slider to the copper bar. If the slider is levered to the end position, it opens the contact to the copper bar. Thus, the circuit is interrupted and measurements can be carried out conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block. The clearly visible position indicator provides quick and reliable information about the current status of the system. It can also be read in the wired state.

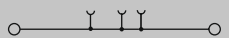
	AITB 2.5 BB 2C	2.5 mm²	AITB 6 BB 2C	6 mm²





Width/Height/Depth	mm	5.1 x 63.8 x 43.6	8.1 x 76.6 x 52.9
Rated current / max. cond. cross-section	A/mm²	**24 / 4**	**41 / 10**
Max. clamping range	mm²	**0.14...4**	**0.34...10**





Technical data

Rated data		AITB 2.5 BB 2C	AITB 6 BB 2C
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	800	800
for wire cross-section	mm²	24	41
Rated impulse withstand voltage / Pollution severity		2.5	6
Gauge to IEC 60947-1 / UL 94 flammability rating		8 kV / 3	8 kV / 3
Approvals		A3 / V-0	A5 / V-0
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...4 / 0.5...4	0.5...10 / 0.5...10
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5	0.5...10 / 0.5...6
Twin wire-end ferrule	mm²	0.5...0.75	0.5...1.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	12 / 1.0 x 5.5 mm
Note		Approvals in process	Approvals in process

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
		8 kV / 3	
		A3 / V-0	

IEC	UL	CSA	EN 60079-7
800			
41			
6			
		8 kV / 3	
		A5 / V-0	

Ordering data

Version	
	dark beige
	Blue
Note	

Type	Qty.	Order No.
AITB 2.5 BB 2C	50	**2668660000**
AITB 2.5 BB 2C BL	50	**2668670000**

Type	Qty.	Order No.
AITB 6 BB 2C	50	**2668700000**
AITB 6 BB 2C BL	50	**2668710000**

Accessories

Plug-in cross-connection		Type		Qty.	Order No.	Type		Qty.	Order No.
	2-pole	ZQV 2.5N/2 INSTA	24 A	1	**2794070000**				
	3-pole	ZQV 2.5N/3 INSTA	24 A	1	**2794090000**				
	4-pole	ZQV 2.5N/4 INSTA	24 A	1	**2794110000**				
	10-pole	ZQV 2.5N/10 INSTA	24 A	20	**2794180000**				
	2-pole					ZQV 6N/2	41 A	60	**1985740000**
End plate									
	dark beige	AEP ITB 2.5 BB 2C		20	**2668780000**	AEP ITB 6 BB 2C		20	**2668810000**
	blue	AEP ITB 2.5 BB 2C BL		20	**2668790000**	AEP ITB 6 BB 2C BL		20	**2668820000**
Support bracket for 10 x 3 (required every 20 cm)									
	blue	APP ITB 2.5 BB 2C/NDT BL		20	**2668870000**	APP ITB 6 BB 2C/NDT BL		20	**2668880000**
End bracket									
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter									
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 6 MI-R	0.2 A	50	**1991930000**
	3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**				
	5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**				
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 1,0X5,5X125		1	**2749160000**
Busbar 10 x 3 (140 A)									
	Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Marking tags									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/8 MC NE WS		800	**1856740000**

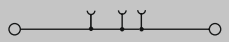
For detailed information on other accessories and application in the online catalogue

AITB 16 BB 2C

16 mm²



10 x 87.2 x 52.9
76 / 16
0.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
76			
16			
	8 kV / 3		
	A6 / V-0		

Rated connection
0.5...16 / 0.5...16
0.5...16 / 0.5...16
0.75...6
18 / 1.0 x 5.5 mm

Approvals in process

Type	Qty.	Order No.
AITB 16 BB 2C	20	**2668740000**
AITB 16 BB 2C BL	20	**2668750000**

Type		Qty.	Order No.
ZQV 10N/2	57 A	25	**2497250000**
AEP ITB 16 BB 2C		20	**2668840000**
AEP ITB 16 BB 2C BL		20	**2668850000**
APP ITB 16 BB 2C/NDT BL		20	**2668890000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDIL 1,0X5,5X125		1	**2749160000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
WS 8/6 PLUS MC NE WS		600	**1951880000**
WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

	AITB 2.5 BB 2C PE	2.5 mm²	AITB 6 BB 2C PE	6 mm²





Width/Height/Depth	mm	5.1 x 63.8 x 43.6	8.1 x 76.6 x 52.9
Rated current / max. cond. cross-section	-/mm²	/ 4	/ 10
Max. clamping range	mm²	0.14...4	0.34...10





Technical data

Rated data		IEC 60947-7-2				IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	-								
Rated current	-								
for wire cross-section	mm²	2.5				6			
Rated impulse withstand voltage / Pollution severity				8 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0				A5 / V-0	
Approvals									
Clamped conductors (H05V/H07V)									
Solid / Stranded	mm²	0.5...4 / 0.5...4				0.5...10 / 0.5...10			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...10 / 0.5...6			
Twin wire-end ferrule	mm²	0.5...0.75				0.5...1.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				12 / 1.0 x 5.5 mm			
Note		Approvals in process				Approvals in process			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	green/yellow	AITB 2.5 BB 2C PE	50	2668680000	AITB 6 BB 2C PE	50	2668720000
Note							

Accessories

End plate		**Type**		**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	dark beige	AEP ITB 2.5 BB 2C		20	2668780000	AEP ITB 6 BB 2C	20	2668810000
Support bracket for 10 x 3 (required every 20 cm)								
	blue	APP ITB 2.5 BB 2C/NDT BL		20	2668870000	APP ITB 6 BB 2C/NDT BL	20	2668880000
End bracket								
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0	20	2661280000
Test adapter								
	1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000	ATPG 1.5-10 L	0.2 A 50	1991890000
	stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000	ATPG 6 MI-R	0.2 A 50	1991930000
Test plug								
		PS 2.0 MC		20	0310000000	PS 2.0 MC	20	0310000000
Screwdriver								
	Standard	SDIL 0,6X3,5X100		1	2749140000	SDIL 1,0X5,5X125	1	2749160000
Busbar 10 x 3 (140 A)								
	Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	0348900000	SSCH 10X3X1000 CU/SN	140 A 1	0348900000
Marking tags								
		DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/8 MC NE WS	800	1856740000

For detailed information on other accessories and application in the online catalogue

AITB 16 BB 2C PE

16 mm²



10 x 87.2 x 52.9
/ 16
0.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16			
	8 kV / 3		
	A6 / V-0		

Rated connection
0.5...16 / 0.5...16
0.5...16 / 0.5...16
0.75...6
18 / 1.0 x 5.5 mm

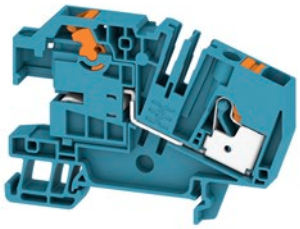
Approvals in process

Type	Qty.	Order No.
AITB 16 BB 2C PE	20	**2668760000**

Type		Qty.	Order No.
AEP ITB 16 BB 2C		20	**2668840000**
APP ITB 16 BB 2C/NDT BL		20	**2668890000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDIL 1,0X5,5X125		1	**2749160000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

	AITB 2.5 BB NDT BL	2.5 mm²	AITB 6 BB NDT BL	6 mm²





Width/Height/Depth	mm	5.1 x 63.8 x 50	8.1 x 76.6 x 52.9
Rated current / max. cond. cross-section	A/mm²	**23 / 4**	**41 / 10**
Max. clamping range	mm²	**0.14...4**	**0.34...10**

Technical data

Rated data		In accordance with IEC 60947-7-1				In accordance with IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	250				800			
Rated current	A	23				41			
for wire cross-section	mm²	2.5				6			
Rated impulse withstand voltage / Pollution severity				4 kV / 3				4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0				A5 / V-0	
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 0.5...4				0.5...10 / 0.5...10			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...10 / 0.5...6			
Twin wire-end ferrule	mm²	0.5...0.75				0.5...1.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				12 / 1.0 x 5.5 mm			
Note		Approvals in process				Approvals in process			

Ordering data

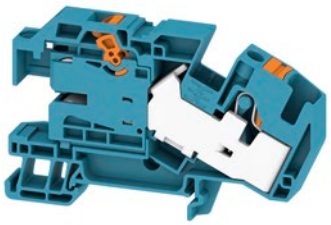
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	Blue	AITB 2.5 BB NDT BL	50	**2668690000**	AITB 6 BB NDT BL	50	**2668730000**
Note							

Accessories

Plug-in cross-connection	Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2 INSTA BL	24 A	1	**2794210000**				
3-pole	ZQV 2.5N/3 INSTA BL	24 A	1	**2794220000**				
4-pole	ZQV 2.5N/4 INSTA BL	24 A	1	**2794230000**				
10-pole	ZQV 2.5N/10 INSTA BL	24 A	1	**2794290000**				
2-pole / blue					ZQV 6N/2 BL	41 A	60	**1985830000**
End plate								
blue	AEP ITB 2.5 BB NDT BL		20	**2668800000**	AEP ITB 6 BB NDT BL		20	**2668830000**
Support bracket for 10 x 3 (required every 20 cm)								
blue	APP ITB 2.5 BB 2C/NDT BL		20	**2668870000**	APP ITB 6 BB 2C/NDT BL		20	**2668880000**
End bracket								
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	ATPG 1.5-10 L	0.2 A	50	**1991890000**
stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**	ATPG 6 MI-R	0.2 A	50	**1991930000**
3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**				
5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**				
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	**2749140000**	SDIL 1,0X5,5X125		1	**2749160000**
Busbar 10 x 3 (140 A)								
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/8 MC NE WS		800	**1856740000**

For detailed information on other accessories and application in the online catalogue

AITB 16 BB NDT BL — 16 mm²



10 x 87.2 x 52.9
72 / 16
0.5...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
72			
16			
	4 kV / 3		
	A6 / V-0		

Rated connection
0.5...16 / 0.5...16
0.5...16 / 0.5...16
0.75...6
18 / 1.0 x 5.5 mm

Approvals in process

Type	Qty.	Order No.
AITB 16 BB NDT BL	20	**2668770000**

Type		Qty.	Order No.
ZQV 10N/2	57 A	25	**2497250000**
AEP ITB 16 BB NDT BL		20	**2668860000**
APP ITB 16 BB 2C/NDT BL		20	**2668890000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
PS 2.0 MC		20	**0310000000**
SDIL 1,0X5,5X125		1	**2749160000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
WS 8/6 PLUS MC NE WS		600	**1951880000**
WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

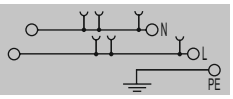
	AITB 2.5 BB L	2.5 mm²	AITB 2.5 BB N-L-PE	2.5 mm²





Width/Height/Depth	mm	5.1 x 103 x 50.1	5.1 x 103 x 50.1
Rated current / max. cond. cross-section	A/mm²	24 / 4	24 / 4
Max. clamping range	mm²	0.14...4	0.14...4





Technical data

Rated data		IEC 60947-7-1				IEC 60947-7-1 (-7-2)			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	400				250			
Rated current	A	24				24			
for wire cross-section	mm²	2.5				2.5			
Rated impulse withstand voltage / Pollution severity				4 kV / 3				4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0				A3 / V-0	
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Twin wire-end ferrule	mm²	0.5...0.75				0.5...0.75			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Rated voltage									
Rated voltage (L / L)	V	400				400			
Rated voltage (L / N)	V	250				250			
Rated voltage (L / PE)	V	250				250			
Note		Approvals in process				Approvals in process			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	AITB 2.5 BB L	50	2668920000	AITB 2.5 BB N-L-PE	50	2668940000
Note						

Accessories

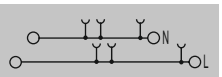
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 2.5N/2 INSTA	24 A	1	2794070000	ZQV 2.5N/2 INSTA	24 A	1	2794070000
3-pole	ZQV 2.5N/3 INSTA	24 A	1	2794090000	ZQV 2.5N/3 INSTA	24 A	1	2794090000
4-pole	ZQV 2.5N/4 INSTA	24 A	1	2794110000	ZQV 2.5N/4 INSTA	24 A	1	2794110000
10-pole	ZQV 2.5N/10 INSTA	24 A	20	2794180000	ZQV 2.5N/10 INSTA	24 A	20	2794180000
End plate								
dark beige	AEP ITB 2.5 BB		20	2668960000	AEP ITB 2.5 BB		20	2668960000
Support bracket for 10 x 3 (required every 20 cm)								
blue	APP ITB 2.5 BB BL		20	2668970000	APP ITB 2.5 BB BL		20	2668970000
End bracket								
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000	ATPG 2.5 MI-R	0.2 A	50	1991960000
3-pole	ATPG 2.5/3	0.2 A	25	2041190000	ATPG 2.5/3	0.2 A	25	2041190000
5-pole	ATPG 2.5/5	0.2 A	25	2041180000	ATPG 2.5/5	0.2 A	25	2041180000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	2749140000	SDIL 0,6X3,5X100		1	2749140000
Busbar 10 x 3 (140 A)								
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	0348900000	SSCH 10X3X1000 CU/SN	140 A	1	0348900000
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/5 PLUS MC NE WS		1000	1854490000

For detailed information on other accessories and application in the online catalogue

AITB 2.5 BB N-L — 2.5 mm²



5.1 x 103 x 50.1
24 / 4
0.14...4



IEC 60947-7-1

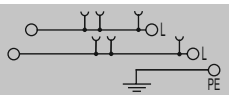
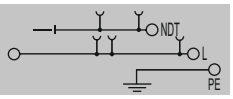
IEC	UL	CSA	EN 60079-7
400			
24			
2.5			
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...2.5 / 0.5...2.5
0.5...0.75
10 / 0.6 x 3.5 mm
400
250
250

Approvals in process

Type	Qty.	Order No.
AITB 2.5 BB N-L	50	**2668910000**

Type		Qty.	Order No.
ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
AEP ITB 2.5 BB		20	**2668960000**
APP ITB 2.5 BB BL		20	**2668970000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**

	AITB 2.5 BB L-L-PE	2.5 mm²	AITB 2.5 BB NDT-L-PE	2.5 mm²
				
Width/Height/Depth mm	5.1 x 103 x 50.1		5.1 x 103 x 50.1	
Rated current / max. cond. cross-section A/mm²	**24 / 4**		**24 / 4**	
Max. clamping range mm²	**0.14...4**		**0.14...4**	

Technical data

	AITB 2.5 BB L-L-PE	AITB 2.5 BB NDT-L-PE
Rated data	IEC 60947-7-1 (-7-2)	In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-2
Rated voltage V	250	250
Rated current A	24	24
for wire cross-section mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Twin wire-end ferrule mm²	0.5...0.75	0.5...0.75
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Rated voltage		
Rated voltage (L / L) V	400	400
Rated voltage (L / N) V	250	250
Rated voltage (L / PE) V	250	250
Note	Approvals in process	Approvals in process

Ordering data

Version	Type	Qty.	Order No.
dark beige	AITB 2.5 BB L-L-PE	50	**2668930000**
Note			

Type	Qty.	Order No.
AITB 2.5 BB NDT-L-PE	50	**2668950000**

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
3-pole	ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
4-pole	ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
10-pole	ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
End plate				
dark beige	AEP ITB 2.5 BB		20	**2668960000**
Support bracket for 10 x 3 (required every 20 cm)				
blue	APP ITB 2.5 BB BL		20	**2668970000**
End bracket				
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**
5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
3-pole	ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
4-pole	ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
10-pole	ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
End plate				
dark beige	AEP ITB 2.5 BB		20	**2668960000**
Support bracket for 10 x 3 (required every 20 cm)				
blue	APP ITB 2.5 BB BL		20	**2668970000**
End bracket				
dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
3-pole	ATPG 2.5/3	0.2 A	25	**2041190000**
5-pole	ATPG 2.5/5	0.2 A	25	**2041180000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	**2749140000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**

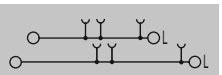
For detailed information on other accessories and application in the online catalogue

AITB 2.5 BB L-L

2.5 mm²



5.1 x 103 x 50.1
24 / 4
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
24			
2.5			
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...2.5 / 0.5...2.5
0.5...0.75
10 / 0.6 x 3.5 mm
400
250
250

Approvals in process

Type	Qty.	Order No.
AITB 2.5 BB L-L	50	**2668900000**

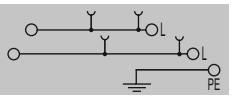
Type		Qty.	Order No.
ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
AEP ITB 2.5 BB		20	**2668960000**
APP ITB 2.5 BB BL		20	**2668970000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
ATPG 2.5/3	0.2 A	25	**2041190000**
ATPG 2.5/5	0.2 A	25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**

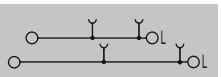
	AITB 4 BB L-L-PE	4 mm²	AITB 4 BB L-L	4 mm²





Width/Height/Depth	mm	6.1 x 110.2 x 53.2	6.1 x 110.2 x 53.2
Rated current / max. cond. cross-section	A/mm²	30 / 6	30 / 6
Max. clamping range	mm²	0.14...6	0.14...6





Technical data

Rated data			
Rated voltage	V	250	400
Rated current	A	30	30
for wire cross-section	mm²	4	4
Rated impulse withstand voltage / Pollution severity		4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0	A4 / V-0
Approvals		IEC 60947-7-1 (-7-2)	IEC 60947-7-1
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule	mm²	0.5...6 / 0.5...4	0.5...6 / 0.5...4
Twin wire-end ferrule	mm²	0.5...1.5	0.5...1.5
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm	12 / 0.6 x 3.5 mm
Rated voltage			
Rated voltage (L / L)	V	400	400
Rated voltage (L / N)	V	250	250
Rated voltage (L / PE)	V	250	250

IEC	UL	CSA	EN 60079-7
250			
30			
4			
		4 kV / 3	
		A4 / V-0	

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

IEC	UL	CSA	EN 60079-7
400			
30			
4			
		4 kV / 3	
		A4 / V-0	

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

Note	Approvals in process	Approvals in process

Ordering data

Version	Type	Qty.	Order No.
	AITB 4 BB L-L-PE	50	2669080000
Note			

Type	Qty.	Order No.
AITB 4 BB L-L	50	2669070000

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	1527930000
3-pole	ZQV 4N/3	32 A	60	1527940000
4-pole	ZQV 4N/4	32 A	60	1527970000
10-pole	ZQV 4N/10	32 A	20	1528090000
End plate				
dark beige	AEP ITB 4 BB		20	2669110000
Support bracket for 10 x 3 (required every 20 cm)				
blue	APP ITB 4 BB BL		20	2669120000
End bracket				
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000
Test adapter				
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 4 MI-R	0.2 A	50	1991860000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6X3,5X100		1	2749140000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	0348900000
Marking tags				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	WS 8/6 PLUS MC NE WS		600	1951880000

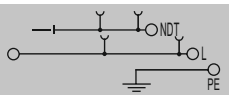
Type		Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/3	32 A	60	1527940000
ZQV 4N/4	32 A	60	1527970000
ZQV 4N/10	32 A	20	1528090000
AEP ITB 4 BB		20	2669110000
APP ITB 4 BB BL		20	2669120000
AEB 35 SCL/1 V0		20	2661280000
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 4 MI-R	0.2 A	50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
SSCH 10X3X1000 CU/SN	140 A	1	0348900000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 8/6 PLUS MC NE WS		600	1951880000

For detailed information on other accessories and application in the online catalogue

AITB 4 BB NDT-L-PE — 4 mm²



6.1 x 110.2 x 53.2
30 / 6
0.14...6



In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250			
30			
4			
	4 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm
400
250
250

Approvals in process

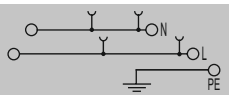
Type		Qty.	Order No.
AITB 4 BB NDT-L-PE		50	**2669100000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/3	32 A	60	**1527940000**
ZQV 4N/4	32 A	60	**1527970000**
ZQV 4N/10	32 A	20	**1528090000**
AEP ITB 4 BB		20	**2669110000**
APP ITB 4 BB BL		20	**2669120000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 4 MI-R	0.2 A	50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
WS 8/6 PLUS MC NE WS		600	**1951880000**

AITB 4 BB N-L-PE — 4 mm²



6.1 x 110.2 x 53.2
30 / 6
0.14...6



IEC 60947-7-1 (-7-2)

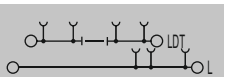
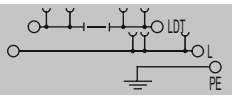
IEC	UL	CSA	EN 60079-7
250			
30			
4			
	4 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm
400
250
250

Approvals in process

Type		Qty.	Order No.
AITB 4 BB N-L-PE		50	**2669090000**

Type		Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/3	32 A	60	**1527940000**
ZQV 4N/4	32 A	60	**1527970000**
ZQV 4N/10	32 A	20	**1528090000**
AEP ITB 4 BB		20	**2669110000**
APP ITB 4 BB BL		20	**2669120000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 4 MI-R	0.2 A	50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6X3,5X100		1	**2749140000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
WS 8/6 PLUS MC NE WS		600	**1951880000**

	AITB 2.5 LDT-L	2.5 mm²	AITB 2.5 LDT-L-PE	2.5 mm²
				
Width/Height/Depth mm	5.1 x 103 x 50.1		5.1 x 103 x 50.1	
Rated current / max. cond. cross-section A/mm²	21 / 4		21 / 4	
Max. clamping range mm²	0.14...4		0.14...4	

Technical data

	AITB 2.5 LDT-L	AITB 2.5 LDT-L-PE
Rated data	IEC 60947-7-1	IEC 60947-7-1 (-7-2)
Rated voltage V	IEC: 400	IEC: 250
Rated current A	UL: 21	UL: 21
for wire cross-section mm²	CSA: 2.5	CSA: 2.5
Rated impulse withstand voltage / Pollution severity	EN 60079-7: 4 kV / 3	EN 60079-7: 4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	EN 60079-7: A3 / V-0	EN 60079-7: A3 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Twin wire-end ferrule mm²	0.5...0.75	0.5...0.75
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Rated voltage		
Rated voltage (L / L) V	400	400
Rated voltage (L / N) V	250	250
Rated voltage (L / PE) V	250	250
Note	Approvals in process	Approvals in process

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	AITB 2.5 LDT-L	50	2668980000	AITB 2.5 LDT-L-PE	50	2669040000
without isolator, dark beige						
Note						

Accessories

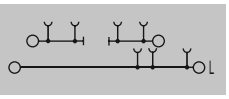
	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 2.5N/2 INSTA	24 A	1	2794070000	ZQV 2.5N/2 INSTA	24 A	1	2794070000
3-pole	ZQV 2.5N/3 INSTA	24 A	1	2794090000	ZQV 2.5N/3 INSTA	24 A	1	2794090000
4-pole	ZQV 2.5N/4 INSTA	24 A	1	2794110000	ZQV 2.5N/4 INSTA	24 A	1	2794110000
10-pole	ZQV 2.5N/10 INSTA	24 A	20	2794180000	ZQV 2.5N/10 INSTA	24 A	20	2794180000
End plate								
dark beige	AEP ITB 2.5		20	2669060000	AEP ITB 2.5		20	2669060000
End bracket								
dark beige, direct mounting	AEB 35 SCL/1 V0		20	2661280000	AEB 35 SCL/1 V0		20	2661280000
Test adapter								
1-pole	ATPG 1.5-10 L	0.2 A	50	1991890000	ATPG 1.5-10 L	0.2 A	50	1991890000
stackable	ATPG 2.5 MI-R	0.2 A	50	1991960000	ATPG 2.5 MI-R	0.2 A	50	1991960000
Screwdriver								
Standard	SDIL 0,6X3,5X100		1	2749140000	SDIL 0,6X3,5X100		1	2749140000
Holder for cartridge fuse 5 x 20 mm								
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)								
without fittings	BEST		50	1833100000	BEST		50	1833100000
with wire jumper	BEST/DRBR	22 A	50	1878570000	BEST/DRBR	22 A	50	1878570000
With 1N4007 diode	BEST/D	1 A	50	1878560000	BEST/D	1 A	50	1878560000
Disconnect plug								
orange	TNST OR	20 A	50	2463540000	TNST OR	20 A	50	2463540000
Marking tags								
	DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/5 PLUS MC NE WS		1000	1854490000

For detailed information on other accessories and application in the online catalogue

AITB 2.5 LDT-L W/O DTLV — 2.5 mm²



5.1 x 103 x 50.1
21 / 4
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
21			
2.5			
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...2.5 / 0.5...2.5
0.5...0.75
10 / 0.6 x 3.5 mm
400
250
250

Approvals in process

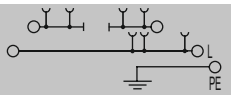
Type		Qty.	Order No.
AITB 2.5 LDT-L W/O DTLV		50	**2668990000**

Type		Qty.	Order No.
ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
AEP ITB 2.5		20	**2669060000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
SDIL 0,6X3,5X100		1	**2749140000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
TNST OR	20 A	50	**2463540000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**

AITB 2.5 LDT-L-PE W/O DTLV — 2.5 mm²



5.1 x 103 x 50.1
21 / 4
0.14...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250			
21			
2.5			
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...2.5 / 0.5...2.5
0.5...0.75
10 / 0.6 x 3.5 mm
400
250
250

Approvals in process

Type		Qty.	Order No.
AITB 2.5 LDT-L-PE W/O DTLV		50	**2669050000**

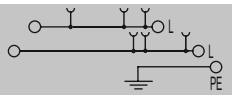
Type		Qty.	Order No.
ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
AEP ITB 2.5		20	**2669060000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
SDIL 0,6X3,5X100		1	**2749140000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
TNST OR	20 A	50	**2463540000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**

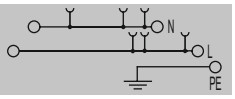
	AITB 2.5 L-L-PE	2.5 mm²	AITB 2.5 N-L-PE	2.5 mm²





Width/Height/Depth	mm	5.1 x 103 x 50.1	5.1 x 103 x 50.1
Rated current / max. cond. cross-section	A/mm²	23 / 4	23 / 4
Max. clamping range	mm²	0.14...4	0.14...4





Technical data

Rated data		IEC 60947-7-1 (-7-2)			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	250			
Rated current	A	23			
for wire cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity				4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0	
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5			
Twin wire-end ferrule	mm²	0.5...0.75			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Rated voltage					
Rated voltage (L / L)	V	400			
Rated voltage (L / N)	V	250			
Rated voltage (L / PE)	V	250			
Note		Approvals in process			

Rated data		IEC 60947-7-1 (-7-2)			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	250			
Rated current	A	23			
for wire cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity				4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0	
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5			
Twin wire-end ferrule	mm²	0.5...0.75			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Rated voltage					
Rated voltage (L / L)	V	400			
Rated voltage (L / N)	V	250			
Rated voltage (L / PE)	V	250			
Note		Approvals in process			

Ordering data

Version		Type	Qty.	Order No.
	dark beige	AITB 2.5 L-L-PE	50	**2669010000**
Note				

Version		Type	Qty.	Order No.
	dark beige	AITB 2.5 N-L-PE	50	**2669020000**
Note				

Accessories

Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
	3-pole	ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
	4-pole	ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
	10-pole	ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
End plate					
	dark beige	AEP ITB 2.5		20	**2669060000**
End bracket					
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter					
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
Screwdriver					
	Standard	SDIL 0,6X3,5X100		1	**2749140000**
Holder for cartridge fuse 5 x 20 mm					
	400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
	10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
	140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)					
	without fittings	BEST		50	**1833100000**
	with wire jumper	BEST/DRBR	22 A	50	**1878570000**
	With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Disconnect plug					
	orange	TNST OR	20 A	50	**2463540000**
Marking tags					
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**

Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
	3-pole	ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
	4-pole	ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
	10-pole	ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
End plate					
	dark beige	AEP ITB 2.5		20	**2669060000**
End bracket					
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**
Test adapter					
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**
	stackable	ATPG 2.5 MI-R	0.2 A	50	**1991960000**
Screwdriver					
	Standard	SDIL 0,6X3,5X100		1	**2749140000**
Holder for cartridge fuse 5 x 20 mm					
	400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	**7921560000**
	10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
	140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)					
	without fittings	BEST		50	**1833100000**
	with wire jumper	BEST/DRBR	22 A	50	**1878570000**
	With 1N4007 diode	BEST/D	1 A	50	**1878560000**
Disconnect plug					
	orange	TNST OR	20 A	50	**2463540000**
Marking tags					
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**

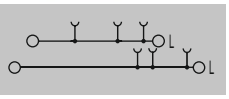
For detailed information on other accessories and application in the online catalogue

AITB 2.5 L-L

2.5 mm²



5.1 x 103 x 50.1
23 / 4
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
23			
2.5			
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...2.5 / 0.5...2.5
0.5...0.75
10 / 0.6 x 3.5 mm
400
250
250

Approvals in process

Type	Qty.	Order No.
AITB 2.5 L-L	50	**2669000000**

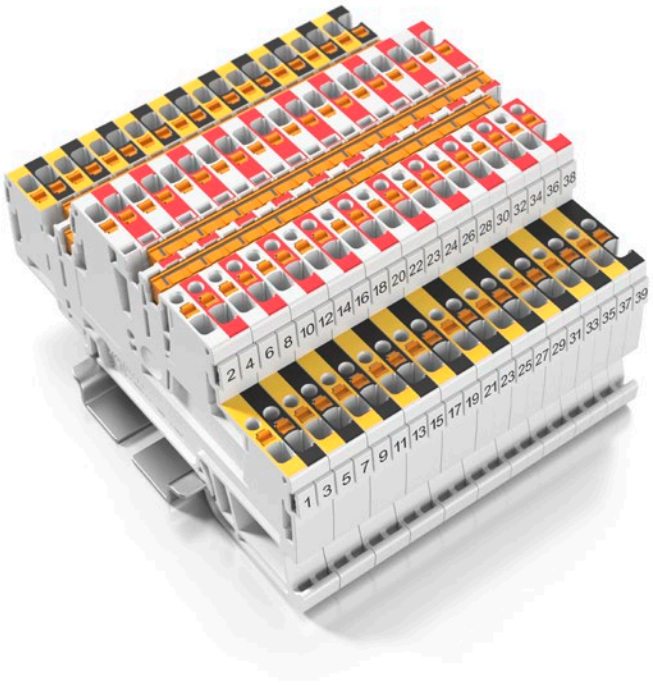
Type		Qty.	Order No.
ZQV 2.5N/2 INSTA	24 A	1	**2794070000**
ZQV 2.5N/3 INSTA	24 A	1	**2794090000**
ZQV 2.5N/4 INSTA	24 A	1	**2794110000**
ZQV 2.5N/10 INSTA	24 A	20	**2794180000**
AEP ITB 2.5		20	**2669060000**
AEB 35 SCL/1 V0		20	**2661280000**
ATPG 1.5-10 L	0.2 A	50	**1991890000**
ATPG 2.5 MI-R	0.2 A	50	**1991960000**
SDIL 0,6X3,5X100		1	**2749140000**
SIHA 3/G20	6.3 A	25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR	22 A	50	**1878570000**
BEST/D	1 A	50	**1878560000**
TNST OR	20 A	50	**2463540000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**

KNX-Bussystem simple and clear wiring

Klippon® Connect for smart electrical installation in buildings

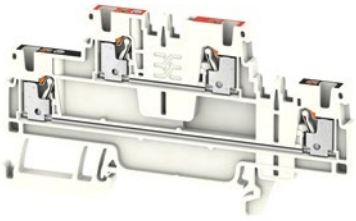
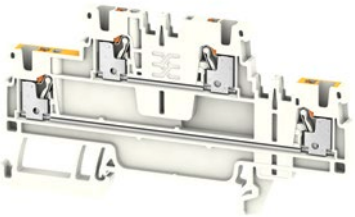
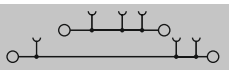
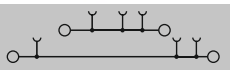
Automation and growing data volumes are of increasing importance in building technology. Precise, unambiguous data wiring systems are thereby essential for efficient cabinet assembly.

The Klippon® Connect KNX-terminal blocks provide the wiring of the main and reserve leads for KNX Bus wiring systems within a 7 mm combined block width. At each level, a double cross-connection point yields quick and easy distribution of the potential within the terminal.



Your special advantages:

- Numerous marking possiblities
- Colour coded terminals for each wire colour
- Standardised accessories
- Minimal space requirements thanks to 3.5 mm individual terminal width

	A2T 1.5 KNX RD-BK	1.5 mm²	A2T 1.5 KNX WT-YL	1.5 mm²
				
Width/Height/Depth mm	3.5 x 84 x 45		3.5 x 84 x 45	
max. current / max. cond. cross-section A/mm²	**17.5 / 1.5**		**17.5 / 1.5**	
Max. clamping range mm²	**0.14...1.5**		**0.14...1.5**	

Technical data

Rated data						
Rated voltage	V	IEC 60947-7-1				
Rated current	A	**IEC**	**UL**	**CSA**	**EN 60079-7**	
for wire cross-section	mm²	500				
		17.5				
		1.5				
Rated impulse withstand voltage / Pollution severity				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A1 / V-0		
Approvals		cULus CE				
Clamped conductors (H05V/H07V)		**Rated connection**				
Solid / Stranded	mm²	0.5...1.5 / 0.5...1.5				
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1				
Twin wire-end ferrule	-					
Stripping length / Blade size	mm/-	8 / 0.4 x 2.0 mm				
Note						

Rated data						
Rated voltage	V	IEC 60947-7-1				
Rated current	A	**IEC**	**UL**	**CSA**	**EN 60079-7**	
for wire cross-section	mm²	500				
		17.5				
		1.5				
Rated impulse withstand voltage / Pollution severity				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A1 / V-0		
Approvals		cULus CE				
Clamped conductors (H05V/H07V)		**Rated connection**				
Solid / Stranded	mm²	0.5...1.5 / 0.5...1.5				
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1				
Twin wire-end ferrule	-					
Stripping length / Blade size	mm/-	8 / 0.4 x 2.0 mm				
Note						

Ordering data

Version		Type	Qty.	Order No.
	dark beige	A2T 1.5 KNX RD-BK	50	**2652200000**
Note				

Version		Type	Qty.	Order No.
	dark beige	A2T 1.5 KNX WT-YL	50	**2652210000**
Note				

Accessories

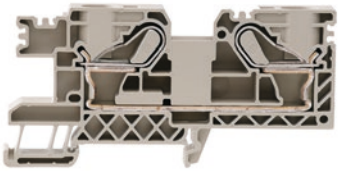
Plug-in cross-connection		**Type**		**Qty.**	**Order No.**	
	2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**	
	10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**	
End plate						
	dark beige	AEP 2T 1.5		20	**2469420000**	
	Blue	AEP 2T 1.5 BL		20	**2471470000**	
End bracket						
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	
Test adapter						
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	
	stackable	ATPG 1.5 MI-R	0.2 A	50	**1991880000**	
Test plug						
		PS 2.0 MC		20	**0310000000**	
Screwdriver						
	Standard	SDS 0.4X2.0X60		1	**2749260000**	
Marking tags						
		WS 10/3.5 PLUS MC NE WS		960	**2003760000**	
		DEK 5/3.5 MM WS		1000	**2007100000**	
		WS 8/3.5 MM WS		1000	**2007140000**	
		DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**	

Plug-in cross-connection		**Type**		**Qty.**	**Order No.**	
	2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**	
	10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**	
End plate						
	dark beige	AEP 2T 1.5		20	**2469420000**	
	Blue	AEP 2T 1.5 BL		20	**2471470000**	
End bracket						
	dark beige, screwable	AEB 35 SC/1		50	**1991920000**	
	dark beige, direct mounting	AEB 35 SCL/1 V0		20	**2661280000**	
Test adapter						
	1-pole	ATPG 1.5-10 L	0.2 A	50	**1991890000**	
	stackable	ATPG 1.5 MI-R	0.2 A	50	**1991880000**	
Test plug						
		PS 2.0 MC		20	**0310000000**	
Screwdriver						
	Standard	SDS 0.4X2.0X60		1	**2749260000**	
Marking tags						
		WS 10/3.5 PLUS MC NE WS		960	**2003760000**	
		DEK 5/3.5 MM WS		1000	**2007100000**	
		WS 8/3.5 MM WS		1000	**2007140000**	
		DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**	

For detailed information on other accessories and application in the online catalogue

PDU 16S — 16 mm²

PUSH IN



Width/Height/Depth	mm	12.1 x 96.5 x 47.5
max. current / max. cond. cross-section	-/mm²	**/ 16**
Max. clamping range	mm²	**2.5...16**



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800			
Rated current A	76			
for wire cross-section mm²	16			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B6 / V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	2.5...16 / 2.5...16			
Flexible / Flexible with ferrule mm²	2.5...16 / 2.5...10			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	PDU 16S	25	**1139580000**
Blue	PDU 16S BL	25	**2062900000**

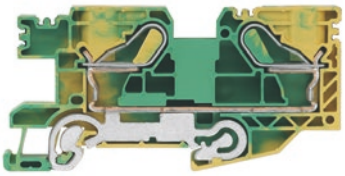
Note

Accessories

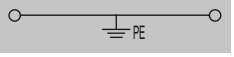
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 16/2	76 A	25	**1739690000**
End plate / Partition plate				
dark beige	PAP PDU16S		10	**1139910000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Cover				
With lightning flash symbol	PAD 16/4		80	**1916170000**
Marking tags				
	WS 12/8 PLUS MC NE WS		420	**1906000000**

For detailed information on other accessories and application in the online catalogue

PPE 16S — 16 mm²



Width/Height/Depth	mm	12.1 x 96.5 x 47.5
max. current / max. cond. cross-section	-/mm²	/ 16
Max. clamping range	mm²	2.5...16



Technical data

IEC 60947-7-2

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	16			
Rated voltage to adjoining terminal V	800			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current		1920 A (16 mm²)		
Pollution severity		3		
UL 94 flammability rating		V-0		
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	2.5...16			
Flexible / Flexible with ferrule mm²	2.5...16 / 2.5...10			
Blade size	1.0 x 5.5 mm			

Note

Ordering data

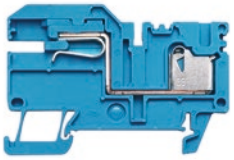
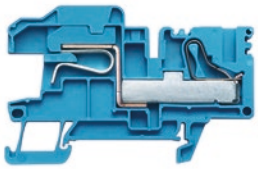
Version	Type	Qty.	Order No.
Green/yellow	PPE 16S	10	1139570000

Note

Accessories

	Type		Qty.	Order No.
Plug-in cross-connection				
2-pole	ZQV 16/2	76 A	25	1739690000
End plate / Partition plate				
dark beige	PAP PDU16S		10	1139910000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDS 1.0X5.5X150		1	2749380000
Cover				
With lightning flash symbol	PAD 16/4		80	1916170000
Marking tags				
	WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue

	PNT 2.5/4	PNT 6/10
	4 mm²	10 mm²
	PUSH IN	PUSH IN
		
Width/Height/Depth mm	5.1 x 63.5 x 47.75	8.1 x 72.5 x 46
max. current / max. cond. cross-section -/mm²	/ 6	/ 10
Max. clamping range mm²	0.08...6	1.5...10

Technical data

	PNT 2.5/4	PNT 6/10
Rated data		
Rated voltage V	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated current A	IEC: 250 / UL: 32 / CSA: 4	IEC: 250 / UL: 41 / CSA: 10
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity	4 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A4 / V-0
Approvals	CE, EAC	CE, EAC, KCC
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6	1.5...6
Flexible / Flexible with ferrule mm²	2.5...4 / 0.5...2.5	1.5...10 / 10...6
Twin wire-end ferrule -	...1.5	
Stripping length / Blade size mm/-	12 / 3.0 x 0.5 mm	14 / 0.6 x 3.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
Blue	PNT 2.5/4	50	1896360000
	PNT 6/10	25	1896370000

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
20-/24-pole	ZQV 2.5/20	24 A	20	1908960000
Support bracket for 10 x 3 (required every 20 cm)				
Blue	PHP PNT 2.5/4		20	1896390000
For a vertical installation position	PHP PNT 2.5/4 SO		20	1916790000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	2749330000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	0348900000
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZF 4 S BL	24 A	50	1814660000
Rigid / flexible 6 - 16 mm²	ZB 16K BL		50	0502880000
flexible 16 - 35 mm²	ZB 35/M6X16		20	0266500000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

Plug-in cross-connection	Type		Qty.	Order No.
	ZQV 6N/2	41 A	60	1906210000
	ZQV 6N/3	41 A	60	1906220000
	ZQV 6N/4	41 A	60	1906230000
	ZQV 6N/20	41 A	20	1906240000
	PHP PNT 6/10		10	1896100000
	PHP PNT 6/10 SO		10	1919710000
	ZEW 35		20	9540000000
	SDS 0.5X3.0X80		1	2749330000
	SSCH 10X3X1000 CU/SN	140 A	1	0348900000
	ZF 4 S BL	24 A	50	1814660000
	ZB 16K BL		50	0502880000
	ZB 35/M6X16		20	0266500000
	WS 10/8 PLUS MC NE WS		420	1905950000

For detailed information on other accessories and application in the online catalogue

PNT 16 — 16 mm²

PUSH IN



12.1 x 80.5 x 49.5
/ 16
2.5...16

NT

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
76			
16			
	8 kV / 3		
	B6 / V-0		

Rated connection
2.5...16
2.5...16 / 2.5...10
18 / 1.0 x 5.5 mm

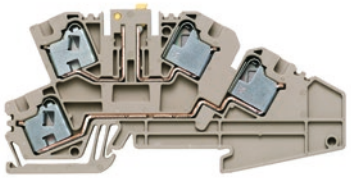
Type	Qty.	Order No.
PNT 16	10	**1896350000**

Type		Qty.	Order No.
PHP PNT16		10	**1896380000**
PHP PNT16 SO		10	**1919690000**
ZEW 35		20	**9540000000**
SDS 1.0X5.5X150		1	**2749380000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZF 4 S BL	24 A	50	**1814660000**
ZB 16K BL		50	**0502880000**
ZB 35/M6X16		20	**0266500000**
WS 10/12 MC NE WS		300	**1905970000**

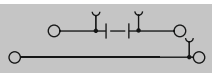
PDL 4/TR/DU — 4 mm²

With isolator

PUSH IN



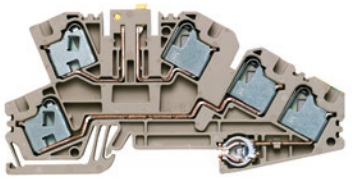
5.1 x 100 x 48.5
/ 4
0.08...4



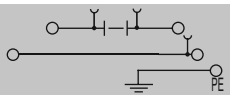
PDL 4/TR/DU/PE — 4 mm²

With isolator

PUSH IN



5.1 x 100 x 48.5
/ 4
0.08...4



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

Technical data

Rated data				
Rated voltage	V	IEC 60947-7-1		
Rated current	A	IEC	UL	CSA
for wire cross-section	mm²	400	150	300
Rated impulse withstand voltage / Pollution severity		20	17	20
Gauge to IEC 60947-1 / UL 94 flammability rating		4	AWG 28...10	AWG 28...10
Approvals		4 kV / 3		
Clamped conductors (H05V/H07V)		A3 / V-0		
Solid / Stranded	mm²			
Flexible / Flexible with ferrule	mm²			
Twin wire-end ferrule	mm²			
Stripping length / Blade size	mm/-			

Rated connection
0.5...4 / 1.5...4
0.5...4 2.5
0.5...1.5
12 / 3.0 x 0.5 mm

Note

Rated data				
Rated voltage	V	IEC 60947-7-1 (-7-2)		
Rated current	A	IEC	UL	CSA
for wire cross-section	mm²	400	300	300
Rated impulse withstand voltage / Pollution severity		20	17	20
Gauge to IEC 60947-1 / UL 94 flammability rating		4	AWG 28...10	AWG 28...10
Approvals		4 kV / 3		
Clamped conductors (H05V/H07V)		A3 / V-0		
Solid / Stranded	mm²			
Flexible / Flexible with ferrule	mm²			
Twin wire-end ferrule	mm²			
Stripping length / Blade size	mm/-			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.5
12 / 3.0 x 0.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	PDL 4/TR/DU	50	1899190000
without isolator, dark beige			
Note	Without isolator: PDL 4 TR/DU 0 TNHE Order no.: 1899210000		

Version	Type	Qty.	Order No.
dark beige	PDL 4/TR/DU/PE	50	1899200000
without isolator, dark beige			
Note	Without isolator: PDL 4 TR/DU/PE 0 TNHE Order no.: 1899220000		

Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
20-/24-pole	ZQV 2.5/20	24 A	20	1908960000
End plate / Partition plate				
dark beige	PAP PDL4		20	1883210000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	2749330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR	22 A	50	1878570000
With 1N4007 diode	BEST/D	1 A	50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
20-/24-pole	ZQV 2.5/20	24 A	20	1908960000
End plate / Partition plate				
dark beige	PAP PDL4		20	1883210000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	2749330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR	22 A	50	1878570000
With 1N4007 diode	BEST/D	1 A	50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

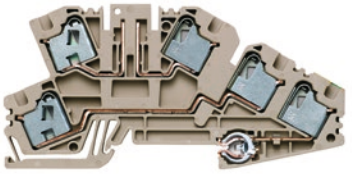
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

	PDL 4/TR/DU 0 TNHE	4 mm²	PDL 4/TR/DU/PE 0 TNHE	4 mm²

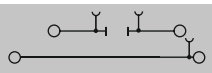
PUSH IN

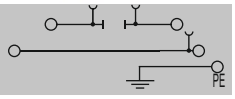


PUSH IN



Width/Height/Depth	5.1 x 100 x 48.5	5.1 x 100 x 48.5
max. current / max. cond. cross-section	/ 4	/ 4
Max. clamping range	0.08...4	0.08...4





Technical data

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	150	300	
Rated current	A	20	17	6.3	
for wire cross-section	mm²	4	AWG 28...10	AWG 28...10	
Rated impulse withstand voltage / Pollution severity			4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE GL cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 2.5			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm			
Note					

Rated data		IEC 60947-7-1 (-7-2)			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	20	17	6.3	
for wire cross-section	mm²	4	AWG 28...10	AWG 28...10	
Rated impulse withstand voltage / Pollution severity			4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE GL cULus EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 2.5			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige			
without isolator, dark beige	PDL 4/TR/DU 0.TNHE	50	1899210000
Note	... without isolating lever. Suitable for fuse holder SIHA 3 with G-fuse, for component plug BEST and for disconnect plug TNST.		

Version	Type	Qty.	Order No.
dark beige			
without isolator, dark beige	PDL 4/TR/DU/PE 0.TNHE	50	1899220000
Note	... without isolating lever. Suitable for fuse holder SIHA 3 with G-fuse, for component plug BEST and for disconnect plug TNST.		

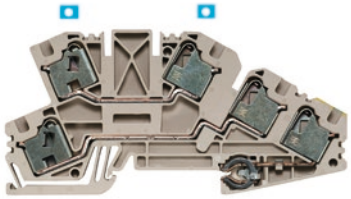
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
20-/24-pole	ZQV 2.5/20	24 A	20	1908960000
End plate / Partition plate				
dark beige	PAP PDL4		20	1883210000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	2749330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR	22 A	50	1878570000
With 1N4007 diode	BEST/D	1 A	50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
20-/24-pole	ZQV 2.5/20	24 A	20	1908960000
End plate / Partition plate				
dark beige	PAP PDL4		20	1883210000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	2749330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20	6.3 A	25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR	22 A	50	1878570000
With 1N4007 diode	BEST/D	1 A	50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST	20 A	50	1833090000
Marking tags				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

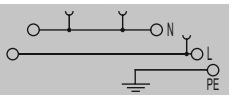
For detailed information on other accessories and application in the online catalogue	Detailed information for working with twin ferrules can be found in the P Series Accessories section.	Detailed information for working with twin ferrules can be found in the P Series Accessories section.

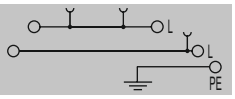
	PDL 4/N/L/PE	4 mm²	PDL 4/L/L/PE	4 mm²





Width/Height/Depth	mm	5.1 x 100 x 48.35	5.1 x 100 x 48.5
max. current / max. cond. cross-section	-/mm²	/ 4	/ 4
Max. clamping range	mm²	0.08...4	0.08...4





Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	32	17	20	
for wire cross-section	mm²	4	AWG 28...10	AWG 28...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm			
Note					

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	32	17	20	
for wire cross-section	mm²	4	AWG 28...10	AWG 28...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm			
Note					

Ordering data

Version		Type	Qty.	Order No.
	dark beige	PDL 4/N/L/PE	50	1899180000
Note				

Version		Type	Qty.	Order No.
	dark beige	PDL 4/L/L/PE	50	1882610000
Note				

Accessories

Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5/2	24 A	60	1608860000
	3-pole	ZQV 2.5/3	24 A	60	1608870000
	4-pole	ZQV 2.5/4	24 A	60	1608880000
	10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate					
	dark beige	PAP PDL4		20	1883210000
End bracket					
	dark beige	ZEW 35/2		20	8630740000
Screwdriver					
	Standard	SDIS 0.4X2.5X75		1	2749790000
Marking tags					
		DEK 5/5 MC NE WS		1000	1609801044

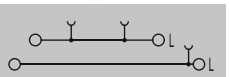
Plug-in cross-connection		Type		Qty.	Order No.
	2-pole	ZQV 2.5/2	24 A	60	1608860000
	3-pole	ZQV 2.5/3	24 A	60	1608870000
	4-pole	ZQV 2.5/4	24 A	60	1608880000
	10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate					
	dark beige	PAP PDL4		20	1883210000
End bracket					
	dark beige	ZEW 35/2		20	8630740000
Screwdriver					
	Standard	SDIS 0.4X2.5X75		1	2749790000
Marking tags					
		DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

PDL 4/L/L — 4 mm²



5.1 x 100 x 48.5
/ 4
0.08...4



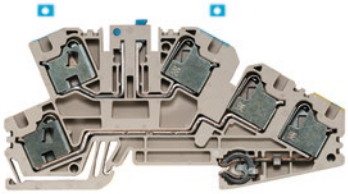
IEC	UL	CSA	EN 60079-7
400	150	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.5
12 / 3.0 x 0.5 mm

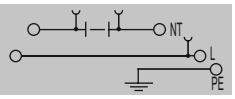
Type	Qty.	Order No.
PDL 4/L/L	50	1882590000

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	2749790000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4/NT/L/PE — 4 mm²



5.1 x 100 x 48.35
/ 4
0.08...4



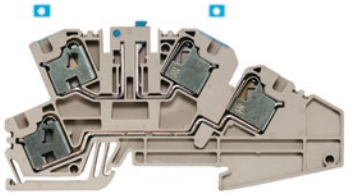
IEC	UL	CSA	EN 60079-7
400	300	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.5
12 / 3.0 x 0.5 mm

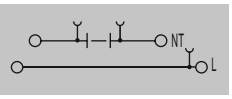
Type	Qty.	Order No.
PDL 4/NT/L/PE	50	1882620000

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	2749790000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4/NT/L — 4 mm²



5.1 x 100 x 48.35
/ 4
0.08...4

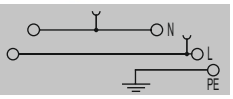


IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.5
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4/NT/L	50	1882600000

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	2749790000
DEK 5/5 MC NE WS		1000	1609801044

	PDL 4 S/L	4 mm²	PDL 4 S/N/L/PE	4 mm²
	PUSH IN		PUSH IN	
				
Width/Height/Depth mm	5.1 x 100 x 48		5.1 x 100 x 48	
max. current / max. cond. cross-section A/mm²	**36 / 4**		**36 / 4**	
Max. clamping range mm²	**0.08...4**		**0.08...4**	

Technical data

Rated data							
Rated voltage	V	IEC 60947-7-1					
Rated current	A	IEC		UL		CSA	EN 60079-7
for wire cross-section	mm²	400					
		32					
		4					
Rated impulse withstand voltage / Pollution severity					6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating					A3 / V-0		
Approvals		CE EAC KEMA					
Clamped conductors (H05V/H07V)		**Rated connection**					
Solid / Stranded	mm²	0.5...4 / 1.5...4					
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5					
Twin wire-end ferrule	mm²	0.5...1.5					
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm					
Note							

Rated data							
Rated voltage	V	IEC 60947-7-1 (-7-2)					
Rated current	A	IEC		UL		CSA	EN 60079-7
for wire cross-section	mm²	400					
		32					
		4					
Rated impulse withstand voltage / Pollution severity					6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating					A3 / V-0		
Approvals		CE EAC KEMA					
Clamped conductors (H05V/H07V)		**Rated connection**					
Solid / Stranded	mm²	0.5...4 / 1.5...4					
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5					
Twin wire-end ferrule	mm²	0.5...1.5					
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm					
Note							

Ordering data

Version	Type	Qty.	Order No.
dark beige	PDL 4 S/L	50	**1847610000**
Note			

Version	Type	Qty.	Order No.
dark beige	PDL 4 S/N/L/PE	50	**1837050000**
Note			

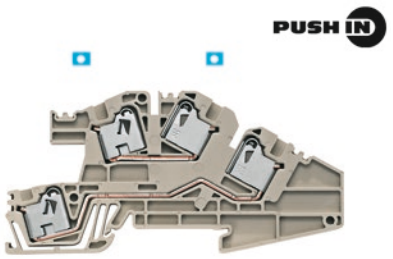
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	PAP PDL4S		20	**1837070000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	PHP PDL		20	**1837090000**
For a vertical installation position	PHP PDL SO		20	**1837080000**
End bracket				
dark beige	ZEW 35/2		20	**8630740000**
Screwdriver				
Standard	SDIS 0.4X2.5X75		1	**2749790000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZF 4 S BL	24 A	50	**1814660000**
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**

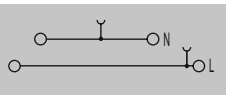
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	PAP PDL4S		20	**1837070000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	PHP PDL		20	**1837090000**
For a vertical installation position	PHP PDL SO		20	**1837080000**
End bracket				
dark beige	ZEW 35/2		20	**8630740000**
Screwdriver				
Standard	SDIS 0.4X2.5X75		1	**2749790000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZF 4 S BL	24 A	50	**1814660000**
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**

For detailed information on other accessories and application in the online catalogue

PDL 4 S/N/L — 4 mm²



5.1 x 100 x 48
36 / 4
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

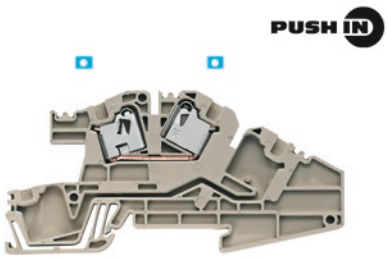
CE EAC KCC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.5
12 / 3.0 x 0.5 mm

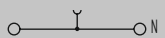
Type	Qty.	Order No.
PDL 4 S/N/L	50	**1847630000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PDL4S		20	**1837070000**
PHP PDL		20	**1837090000**
PHP PDL SO		20	**1837080000**
ZEW 35/2		20	**8630740000**
SDIS 0.4X2.5X75		1	**2749790000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZF 4 S BL	24 A	50	**1814660000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**

PDL 4 S/N — 4 mm²



5.1 x 100 x 48
36 / 4
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

CE EAC KCC

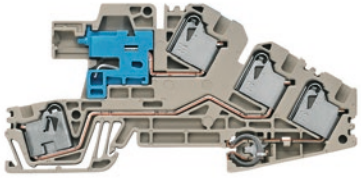
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.5
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/N	50	**1847620000**

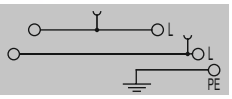
Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PDL4S		20	**1837070000**
PHP PDL		20	**1837090000**
PHP PDL SO		20	**1837080000**
ZEW 35/2		20	**8630740000**
SDIS 0.4X2.5X75		1	**2749790000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZF 4 S BL	24 A	50	**1814660000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**

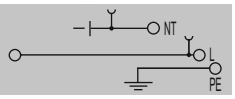
	PDL 4 S/L/L/PE	4 mm²	PDL 4 S/NT/L/PE	4 mm²





Width/Height/Depth	mm	5.1 x 100 x 48	5.1 x 100 x 48
max. current / max. cond. cross-section	A/mm²	36 / 4	36 / 4
Max. clamping range	mm²	0.08...4	0.08...4





Technical data

Rated data		PDL 4 S/L/L/PE	PDL 4 S/NT/L/PE
		IEC 60947-7-1 (-7-2)	In accordance with IEC 60947-7-1
Rated voltage	V	400	400
Rated current	A	32	32
for wire cross-section	mm²	4	4
Rated impulse withstand voltage / Pollution severity		6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0	A3 / V-0
Approvals		CE EAC KEMA	CE EAC
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / Stranded	mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Twin wire-end ferrule	mm²	0.5...1.5	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm	12 / 3.0 x 0.5 mm
Note			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	PDL 4 S/L/L/PE	50	1837040000	PDL 4 S/NT/L/PE	50	1837060000
Note							

Accessories

		Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection									
2-pole		ZQV 2.5/2	24 A	60	1608860000	ZQV 2.5/2	24 A	60	1608860000
3-pole		ZQV 2.5/3	24 A	60	1608870000	ZQV 2.5/3	24 A	60	1608870000
4-pole		ZQV 2.5/4	24 A	60	1608880000	ZQV 2.5/4	24 A	60	1608880000
10-pole		ZQV 2.5/10	24 A	20	1608940000	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate									
dark beige		PAP PDL4S		20	1837070000	PAP PDL4S		20	1837070000
Support bracket for 10 x 3 (required every 20 cm)									
Blue		PHP PDL		20	1837090000	PHP PDL		20	1837090000
For a vertical installation position		PHP PDL SO		20	1837080000	PHP PDL SO		20	1837080000
End bracket									
dark beige		ZEW 35/2		20	8630740000	ZEW 35/2		20	8630740000
Screwdriver									
Standard		SDIS 0.4X2.5X75		1	2749790000	SDIS 0.4X2.5X75		1	2749790000
Busbar 10 x 3 (140 A)									
Ok, busbar up to Ok, TS 35 = 25.5 mm		SSCH 10X3X1000 CU/SN	140 A	1	0348900000	SSCH 10X3X1000 CU/SN	140 A	1	0348900000
Clamping yoke for power supply to 10 x 3 busbars									
Rigid / flexible 0.5 - 6 / 4 mm²		ZF 4 S BL	24 A	50	1814660000	ZF 4 S BL	24 A	50	1814660000
Rigid / flexible 6 - 16 mm²		ZB 16 ZKSC		50	0316600000	ZB 16 ZKSC		50	0316600000
flexible 16 - 35 mm²		ZB 35/M6X16		20	0266500000	ZB 35/M6X16		20	0266500000
Marking tags									
		DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044

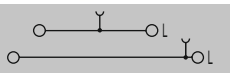
For detailed information on other accessories and application in the online catalogue

PDL 4 S/L/L — 4 mm²

PUSH IN



5.1 x 100 x 48
36 / 4
0.08...4



IEC 60947-7-1

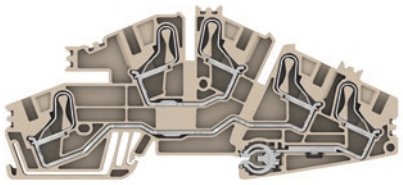
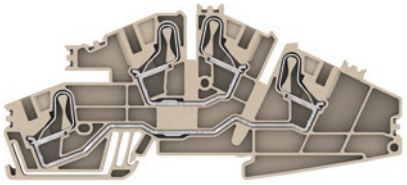
IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

CE EAC KEMA

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1.5
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/L/L	50	**1837030000**

Type		Qty.	Order No.
ZQV 2.5/2	24 A	60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PDL4S		20	**1837070000**
PHP PDL		20	**1837090000**
PHP PDL SO		20	**1837080000**
ZEW 35/2		20	**8630740000**
SDIS 0.4X2.5X75		1	**2749790000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZF 4 S BL	24 A	50	**1814660000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**

	PDL 6 S/L/L/PE	6 mm²	PDL 6 S/L/L	6 mm²
				
Width/Height/Depth mm	8.1 x 118.5 x 52.5		8.1 x 118.5 x 52.5	
max. current / max. cond. cross-section -/mm²	/ 6		/ 6	
Max. clamping range mm²	1.5...6		1.5...6	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage -	400			
Rated current A	41			
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	1.5...6 / 1.5...6			
Flexible / Flexible with ferrule mm²	1.5...6 / 1.5...4			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	14 /			
Note				

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage -	400			
Rated current A	41			
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	1.5...6 / 1.5...6			
Flexible / Flexible with ferrule mm²	1.5...6 / 1.5...4			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	14 /			
Note				

Ordering data

Version	Type	Qty.	Order No.
	PDL 6 S/L/L/PE	25	1411330000
Note			

Version	Type	Qty.	Order No.
	PDL 6 S/L/L	25	1411310000
Note			

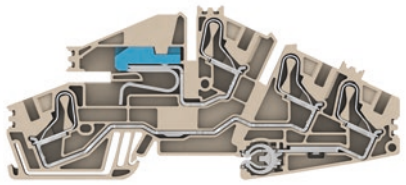
Accessories

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	1627850000
3-pole	ZQV 6/3 GE	41 A	60	1627860000
4-pole	ZQV 6/4 GE	41 A	60	1627870000
20-/24-pole	ZQV 6/24 GE	41 A	10	1908990000
32-pole	ZQV 6/32 GE	41 A	10	1733640000
End plate				
dark beige	PAP PDL6S		20	1411200000
Support bracket				
blue	PHP PDL6S SO		20	1411350000
End bracket				
black	ZEW 35/2 SW		20	1162610000
Screwdriver				
Standard	SDIS 0.5X3.0X100		1	2749800000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	0348900000

Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	1627850000
3-pole	ZQV 6/3 GE	41 A	60	1627860000
4-pole	ZQV 6/4 GE	41 A	60	1627870000
20-/24-pole	ZQV 6/24 GE	41 A	10	1908990000
32-pole	ZQV 6/32 GE	41 A	10	1733640000
End plate				
dark beige	PAP PDL6S		20	1411200000
Support bracket				
blue	PHP PDL6S SO		20	1411350000
End bracket				
black	ZEW 35/2 SW		20	1162610000
Screwdriver				
Standard	SDIS 0.5X3.0X100		1	2749800000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	0348900000

For detailed information on other accessories and application in the online catalogue

PDL 6 S/NT/L/PE — 6 mm²



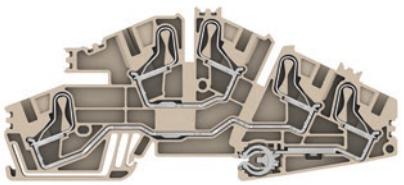
8.1 x 118.5 x 52.5
/ 6
1.5...6

IEC	UL	CSA	EN 60079-7
400			
39			
6			
	6 kV / 3		
	/ V-0		
CE EAC			
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...4			
14 /			

Type	Qty.	Order No.
PDL 6 S/NT/L/PE	25	**1411320000**

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/3 GE	41 A	60	**1627860000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZQV 6/24 GE	41 A	10	**1908990000**
ZQV 6/32 GE	41 A	10	**1733640000**
PAP PDL6S		20	**1411200000**
PHP PDL6S SO		20	**1411350000**
ZEW 35/2 SW		20	**1162610000**
SDIS 0.5X3.0X100		1	**2749800000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**

PDL 6 S/N/L/PE — 6 mm²



8.1 x 118.5 x 52.5
/ 6
1.5...6

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	/ V-0		
CE EAC			
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...4			
14 /			

Type	Qty.	Order No.
PDL 6 S/N/L/PE	25	**1411340000**

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/3 GE	41 A	60	**1627860000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZQV 6/24 GE	41 A	10	**1908990000**
ZQV 6/32 GE	41 A	10	**1733640000**
PAP PDL6S		20	**1411200000**
PHP PDL6S SO		20	**1411350000**
ZEW 35/2 SW		20	**1162610000**
SDIS 0.5X3.0X100		1	**2749800000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**

Support plates and end plates

PAP PDU16S



Technical data		
Width	mm	2.7

Ordering data			
	Type	Qty.	Order No.
dark beige	PAP PDU16S	10	1139910000
Blue			
blue			

Note

PAP PDL 4



Technical data		
Width	mm	1.5

Ordering data			
	Type	Qty.	Order No.
dark beige	PAP PDL4	20	1883210000
Blue			
blue			

Note

PAP PDL 4S



Technical data		
Width	mm	1.5

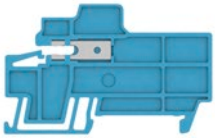
Ordering data			
	Type	Qty.	Order No.
dark beige	PAP PDL4S	20	1837070000
Blue			
blue			

Note

Support plates and end plates

PHP PNT 2.5/4

General



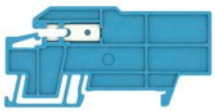
Technical data		
Width	mm	3

Ordering data			
	Type	Qty.	Order No.
dark beige			
Blue	PHP PNT 2.5/4	20	1896390000
blue	PHP PNT 2.5/4 SO	20	1916790000

Note

PHP PNT 6/10

General



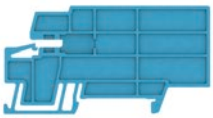
Technical data		
Width	mm	3

Ordering data			
	Type	Qty.	Order No.
dark beige			
Blue	PHP PNT 6/10	10	1896100000
blue	PHP PNT 6/10 SO	10	1919710000

Note

PHP PNT 16

General

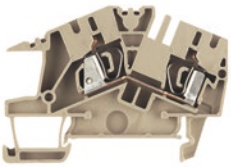


Technical data		
Width	mm	3

Ordering data			
	Type	Qty.	Order No.
dark beige			
Blue	PHP PNT16	10	1896380000
blue	PHP PNT16 SO	10	1919690000

Note



	ZDU 2.5 S	ZDU 4 S
	2.5 mm²	4 mm²
	Two connections	Two connections
		
Width/Height/Depth mm	5.1 x 61 x 43.15	6.1 x 64.2 x 45.5
max. current / max. cond. cross-section A/mm²	**24 / 4**	**32 / 6**
Max. clamping range mm²	**0.5...4**	**0.5...6**

Technical data

	ZDU 2.5 S	ZDU 4 S
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	400	400
for wire cross-section mm²	24	32
Rated impulse withstand voltage / Pollution severity	2.5	4
Gauge to IEC 60947-1 / UL 94 flammability rating	6 kV / 3	6 kV / 3
Approvals	A2 / V-0	A3 / V-0
	CE, EAC, KCS	CE, EAC
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5 S	100	**1808010000**
Blue	ZDU 2.5 S BL	100	**1808020000**
Note	The distance from holding plate to holding plate should be 200 mm.		

Version	Type	Qty.	Order No.
dark beige	ZDU 4 S	100	**1808360000**
Blue	ZDU 4 S BL	100	**1808370000**
Note	The distance from holding plate to holding plate should be 200 mm.		

Accessories

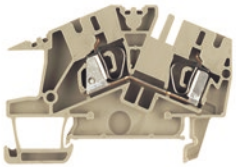
Plug-in cross-connection	Type		Qty.	Order No.
2-pole	ZQV 2.5/2	24 A	60	**1608860000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
20-/24-pole	ZQV 2.5/20	24 A	20	**1908960000**
End plate / Partition plate				
dark beige	ZAP ZDU 2.5 S		20	**1808030000**
Blue	ZAP ZDU 2.5 S BL		20	**1808040000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	ZHP S		20	**1808290000**
For a vertical installation position	ZHP S SO		20	**1808280000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDS 1.0X5.5X150		1	**2749380000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

Plug-in cross-connection	Type		Qty.	Order No.
	ZQV 4/2 GE	32 A	60	**1608950000**
	ZQV 4/3 GE	32 A	60	**1608960000**
	ZQV 4/4 GE	32 A	60	**1608970000**
	ZQV 4/10 GE	32 A	20	**1609030000**
	ZQV 4/20 GE	32 A	20	**1909010000**
	ZAP ZDU 4 S		20	**1808380000**
	ZAP ZDU 4 S BL		20	**1808390000**
	ZHP S		20	**1808290000**
	ZHP S SO		20	**1808280000**
	ZEW 35		20	**9540000000**
	SDIS SLIM 0.6X3.5X100		1	**2749610000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/6 MC NE WS		600	**1828450000**

For detailed information on other accessories and application in the online catalogue

ZDU 6S — 6 mm²

Two connections



8.1 x 64.35 x 49.2
41 / 10
0.5…10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	A5 / V-0		

CE EAC

Rated connection
0.5…10
0.5…10 / 0.5…6
12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 6 S	100	1808230000
ZDU 6 S BL	100	1808240000

The distance from holding plate to holding plate should be 200 mm.

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZAP ZDU 6 S		20	1808250000
ZAP ZDU 6 S BL		20	1808260000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SLIM 0.8X4.0X100		1	2749620000
DEK 5/8 MC NE WS		800	1856740000
WS 10/6 MC NE WS		600	1828450000

ZDU 10/S — 10 mm²

Two connections



10 x 86.5 x 48
76 / 16
1.3…16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	60	55	
10	AWG 16…6	AWG 16…6	
	6 kV / 3		
	A6 / V-0		

CE EAC

Rated connection
1.5…16 / 1.5…16
1.5…10 / 1.5…10
18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 10S	25	1739540000
ZDU 10S BL	25	1739550000

The distance from holding plate to holding plate should be 200 mm.

Type		Qty.	Order No.
ZQV 10/2	57 A	25	1739680000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDS 1.0X5.5X150		1	2749380000
DEK 5/5 MC NE WS		1000	1609801044

ZDU 16/S — 16 mm²

Two connections



12 x 95 x 48
76 / 25
1.5…25



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	65	65	
16	AWG 14…4	AWG 14…4	
	6 kV / 3		
	A7 / V-0		

CE EAC

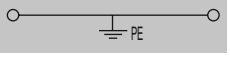
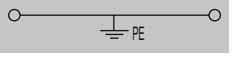
Rated connection
1.5…16 / 16…25
1.5…16 / 1.5…16
18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 16S	25	1739580000
ZDU 16S BL	25	1739590000

The distance from holding plate to holding plate should be 200 mm.

Type		Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDS 1.0X5.5X150		1	2749380000
DEK 5/5 MC NE WS		1000	1609801044

	ZPE 2.5 S	ZPE 4 S
	2.5 mm²	4 mm²
	Two connections	Two connections
		
Width/Height/Depth mm	5.1 x 62.5 x 43.15	6.1 x 65.5 x 45.5
max. current / max. cond. cross-section -/mm²	/ 4	/ 6
Max. clamping range mm²	0.5...4 	0.5...6 

Technical data

	ZPE 2.5 S	ZPE 4 S
Rated data		
Rated voltage V	IEC 60947-7-2	IEC 60947-7-2
for wire cross-section mm²	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
	400	400
	2.5	4
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0	A3 / V-0
Approvals	CE EAC	CE EAC
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPE 2.5 S	50	1808330000
Note	The distance from holding plate to holding plate should be 200 mm.		

Version	Type	Qty.	Order No.
green/yellow	ZPE 4 S	50	1808340000
Note	The distance from holding plate to holding plate should be 200 mm.		

Accessories

	Type	Qty.	Order No.
End plate / Partition plate			
dark beige	ZAP ZDU 2.5 S	20	1808030000
Support bracket for 10 x 3 (required every 20 cm)			
Blue	ZHP S	20	1808290000
For a vertical installation position	ZHP S SO	20	1808280000
End bracket			
dark beige	ZEW 35	20	9540000000
Screwdriver			
Standard	SDIS SLIM 0.6X3.5X100	1	2749610000
Marking tags			
	DEK 5/5 MC NE WS	1000	1609801044
	WS 10/5 MC NE WS	720	1635000000

Type	Qty.	Order No.
ZAP ZDU 4 S	20	1808380000
ZHP S	20	1808290000
ZHP S SO	20	1808280000
ZEW 35	20	9540000000
SDIS SLIM 0.6X3.5X100	1	2749610000
DEK 5/6 MC NE WS	1000	1609820000
WS 10/6 MC NE WS	600	1828450000

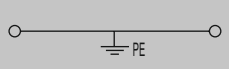
For detailed information on other accessories and application in the online catalogue

ZPE 6 S — 6 mm²

Two connections



8.1 x 65.5 x 49.2
/ 10
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
6			
6 kV		/ 3	
A5 / V-0			

CE EAC

Rated connection
0.5...10
0.5...10 / 0.5...6

12	/ 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 6 S	50	**1808350000**

The distance from holding plate to holding plate should be 200 mm.

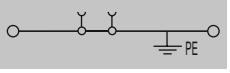
Type	Qty.	Order No.
ZAP ZDU 6 S	20	**1808250000**
ZHP S	20	**1808290000**
ZHP S SO	20	**1808280000**
ZEW 35	20	**9540000000**
SDIS SLIM 0.6X3.5X100	1	**2749610000**
DEK 5/8 MC NE WS	800	**1856740000**
WS 10/6 MC NE WS	600	**1828450000**

ZPE 10/S — 10 mm²

Two connections



10 x 86.5 x 48
/ 16
1.3...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
10	AWG 16...6	AWG 16...6	
6 kV		/ 3	
A6 / V-0			

CE cULus EAC

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10

18	/ 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 10S	25	**1739570000**

The distance from holding plate to holding plate should be 200 mm.

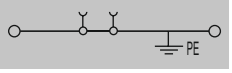
Type	Qty.	Order No.
ZAP ZDU10/16S	20	**1739660000**
ZEW 35	20	**9540000000**
SDS 1.0X5.5X150	1	**2749380000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 10/5 MC NE WS	720	**1635000000**

ZPE 16/S — 16 mm²

Two connections



12 x 95 x 48
/ 25
1.5...25



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
16	AWG 14...6	AWG 14...4	
6 kV		/ 3	
A7 / V-0			

CE cULus EAC

Rated connection
1.5...16 / 16...25
1.5...16 / 1.5...16

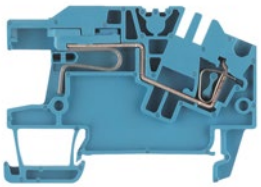
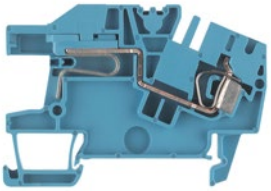
18	/ 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16S	25	**1739610000**

The distance from holding plate to holding plate should be 200 mm.

Type	Qty.	Order No.
ZAP ZDU10/16S	20	**1739660000**
ZEW 35	20	**9540000000**
SDS 1.0X5.5X150	1	**2749380000**
DEK 5/5 MC NE WS	1000	**1609801044**

	ZNT 2.5 S	ZNT 4 S
	2.5 mm²	4 mm²
	Two connections	Two connections
		
Width/Height/Depth mm	5.1 x 62.5 x 43.15	6.1 x 65.5 x 45.5
max. current / max. cond. cross-section A/mm²	**24 / 4**	**32 / 6**
Max. clamping range mm²	**0.5...4**	**0.5...6**

Technical data

	ZNT 2.5 S	ZNT 4 S
Rated data		
Rated voltage V	250	250
Rated current A	24	32
for wire cross-section mm²	2.5	4
Rated impulse withstand voltage / Pollution severity	4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0	A3 / V-0
Approvals	IEC 60947-1	IEC 60947-1
	IEC UL CSA EN 60079-7	IEC UL CSA EN 60079-7
	CE EAC	CE EAC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	ZNT 2.5 S	100	**1808300000**	ZNT 4 S	100	**1808310000**
Blue						
Note	Spacing between mounting plates should be 200mm.			Spacing between mounting plates should be 200mm.		

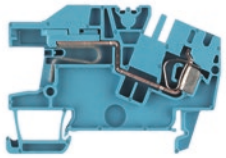
Accessories

	Type		Qty.	Order No.	Type		Qty.	Order No.
Plug-in cross-connection								
2-pole	ZQV 2.5/2	24 A	60	**1608860000**	ZQV 4/2 GE	32 A	60	**1608950000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**	ZQV 4/3 GE	32 A	60	**1608960000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**	ZQV 4/4 GE	32 A	60	**1608970000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**	ZQV 4/10 GE	32 A	20	**1609030000**
20-/24-pole	ZQV 2.5/20	24 A	20	**1908960000**	ZQV 4/20 GE	32 A	20	**1909010000**
End plate / Partition plate								
dark beige	ZAP ZDU 2.5 S		20	**1808030000**	ZAP ZDU 4 S		20	**1808380000**
Blue	ZAP ZDU 2.5 S BL		20	**1808040000**	ZAP ZDU 4 S BL		20	**1808390000**
Support bracket for 10 x 3 (required every 20 cm)								
Blue	ZHP S		20	**1808290000**	ZHP S		20	**1808290000**
For a vertical installation position	ZHP S SO		20	**1808280000**	ZHP S SO		20	**1808280000**
End bracket								
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Screwdriver								
Standard	SDS 0.6X3.5X100		1	**2749340000**	SDS 0.6X3.5X100		1	**2749340000**
Busbar 10 x 3 (140 A)								
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars								
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4K BL		50	**0475380000**	ZB 4K BL		50	**0475380000**
Rigid / flexible 6 - 16 mm²	ZB 16K BL		50	**0502880000**	ZB 16K BL		50	**0502880000**
flexible 16 - 35 mm²	ZB 35K BL M6X16		20	**0502680000**	ZB 35K BL M6X16		20	**0502680000**
Marking tags								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 10/5 MC NE WS		720	**1635000000**	WS 10/6 MC NE WS		600	**1828450000**

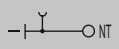
For detailed information on other accessories and application in the online catalogue

ZNT 6 S — 6 mm²

Two connections



8.1 x 64.35 x 49.2
41 / 10
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
6			
	4 kV / 3		
	A5 / V-0		

CE EAC

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

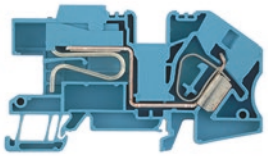
Type	Qty.	Order No.
ZNT 6 S	50	**1808320000**

The distance from holding plate to holding plate should be 200 mm.

Type		Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/3 GE	41 A	60	**1627860000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZQV 6/24 GE	41 A	10	**1908990000**
ZAP ZDU 6 S		20	**1808250000**
ZAP ZDU 6 S BL		20	**1808260000**
ZHP S		20	**1808290000**
ZHP S SO		20	**1808280000**
ZEW 35		20	**9540000000**
SDIS SLIM 0.8X4.0X100		1	**2749620000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35K BL M6X16		20	**0502680000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 10/6 MC NE WS		600	**1828450000**

ZNT 10 S — 10 mm²

Two connections



10 x 86.5 x 49.5
/ 16
1.3...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	55	55	
10	AWG 16...6	AWG 16...6	
	6 kV / 3		
	A6 / V-0		

CE CB cULus EAC KCU

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

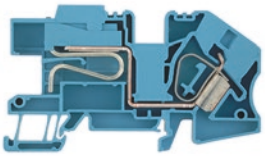
Type	Qty.	Order No.
ZNT 10S	25	**1739560000**

The distance from holding plate to holding plate should be 200 mm.

Type		Qty.	Order No.
ZQV 16/2	76 A	25	**1739690000**
ZAP ZDU10/16S		20	**1739660000**
ZEW 35		20	**9540000000**
SDS 1.0X5.5X150		1	**2749380000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35K BL M6X16		20	**0502680000**
DEK 5/5 MC NE WS		1000	**1609801044**

ZNT 16/S — 16 mm²

Two connections



12 x 95 x 49.5
76 / 25
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	58	65	
16	AWG 14...4	AWG 14...4	
	6 kV / 3		
	A7 / V-0		

CE CB cULus EAC KCU

Rated connection
1.5...16 / 16...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

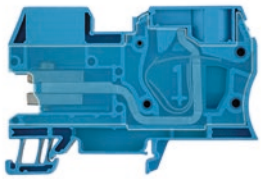
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

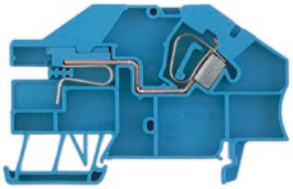
Type	Qty.	Order No.
ZNT 16S	25	**1739600000**

The distance from holding plate to holding plate should be 200 mm.

Type		Qty.	Order No.
ZQV 16/2	76 A	25	**1739690000**
ZAP ZDU10/16S		20	**1739660000**
ZEW 35		20	**9540000000**
SDS 1.0X5.5X150		1	**2749380000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**

	ZNT 35	ZDU 4 NT
	35 mm²	4 mm²
	Two connections	Modified busbar position
Width/Height/Depth mm	16 x 88.5 x 58.5	6.1 x 78.5 x 49.5
max. current / max. cond. cross-section A/mm²	125 / 35	32 / 6
Max. clamping range mm²	2.5...35	0.13...6





Technical data

	ZNT 35	ZDU 4 NT
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated voltage V	400	250
Rated current A	125	32
for wire cross-section mm²	35	4
Rated impulse withstand voltage / Pollution severity	6 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A8 / V-0	A4 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	2.5...10 / 16...35	0.5...6
Flexible / Flexible with ferrule mm²	2.5...35 / 2.5...35	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	25 / 1.0 x 5.5 mm	12 / 0.6 x 3.5 mm
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

IEC	UL	CSA	EN 60079-7
400	600	600	
125	120	120	
35	AWG 12...2	AWG 12...2	

Rated connection
2.5...10 / 16...35
2.5...35 / 2.5...35

IEC	UL	CSA	EN 60079-7
250			
32			
4			

Rated connection
0.5...6
0.5...4 / 0.5...4

Ordering data

Version	
	dark beige
	Blue
Note	

Type	Qty.	Order No.
ZNT 35	10	1739640000

The distance from holding plate to holding plate should be 200 mm.

Type	Qty.	Order No.
ZDU 4/NT DB	50	1778080000
ZDU 4/NT	50	1757980000

Use only in connection with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

Accessories

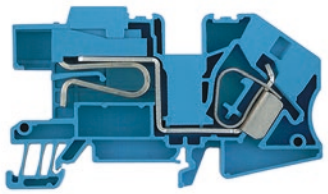
Plug-in cross-connection	Type	Qty.	Order No.	Type	Qty.	Order No.
2-pole						
3-pole						
4-pole						
10-pole						
20-/24-pole						
End plate / Partition plate						
dark beige				ZAP ZDU4/NT	20	1757970000
Blue						
Support bracket for 10 x 3 (required every 20 cm)						
Blue						
For a vertical installation position				ZHP ZDU4/NT SO	20	1803890000
End bracket						
dark beige	ZEW 35	20	9540000000	ZEW 35	20	9540000000
Screwdriver						
Standard	SDS 1.0X5.5X150	1	2749380000	SDIS SLIM 0.6X3.5X100	1	2749610000
Busbar 10 x 3 (140 A)						
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN 140 A	1	0348900000	SSCH 10X3X1000 CU/SN 140 A	1	0348900000
Clamping yoke for power supply to 10 x 3 busbars						
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4K BL	50	0475380000	ZB 4K BL	50	0475380000
Rigid / flexible 6 - 16 mm²	ZB 16K BL	50	0502880000	ZB 16K BL	50	0502880000
flexible 16 - 35 mm²	ZB 35K BL M6X16	20	0502680000	ZB 35K BL M6X16	20	0502680000
Marking tags						
	DEK 5/5 MC NE WS	1000	1609801044	DEK 5/5 MC NE WS	1000	1609801044
				WS 15/5 MC NE WS	480	1609880000

For detailed information on other accessories and application in the online catalogue	Integrated end plate.	

ZDU 10 NT

10 mm²

Modified busbar position



10 x 86.5 x 49.5
57 / 16
1.5...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
57			
10			
	4 kV / 3		
	A6 / V-0		

CE EAC

Rated connection
1.5...10 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5 mm

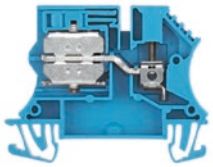
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

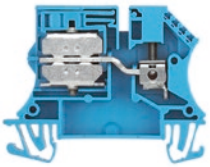
Type	Qty.	Order No.
ZDU 10/NT	25	**1762420000**

Use only in connection with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

Type		Qty.	Order No.
ZQV 10/2	57 A	25	**1739680000**
ZAP ZDU10/16S		20	**1739660000**
ZHP ZDU4/NT SO		20	**1803890000**
ZEW 35		20	**9540000000**
SDS 1.0X5.5X150		1	**2749380000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35K BL M6X16		20	**0502680000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 12/5 MC NE WS		720	**1609860000**

	WNT 2.5	2.5 mm²	WNT 4	4 mm²





Width/Height/Depth	mm	5.1 x 60 x 46.5
max. current / max. cond. cross-section	A	**32 / 4**
Max. clamping range	mm²	**0.13...4**



Width/Height/Depth	mm	6.1 x 60 x 46.5
max. current / max. cond. cross-section	A	**41 / 6**
Max. clamping range	mm²	**0.13...6**



Technical data

Rated data		In accordance with IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	-		600	600	
Rated current	A	24	25	20	
for wire cross-section	mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4			
Tightening torque (clamping screw for copper conductors)	-	/ (M 2.5)			
Tightening torque (separating screw)					
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		Tightening torque, N-isolator 0.4..0.6 Nm			

Rated data		In accordance with IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	-		600	600	
Rated current	A	32	35	25	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6 / 1.5...6			
Flexible / Flexible with ferrule	mm²	0.5...6			
Tightening torque (clamping screw for copper conductors)	-	/ (M 3)			
Tightening torque (separating screw)					
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		Tightening torque, N-isolator 0.4..0.8 Nm			

Ordering data

Version	Type	Qty.	Order No.
dark beige	WNT 2.5 10X3 BE	100	**1010600000**
Blue	WNT 2.5 10X3	100	**1010680000**
Note	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	Qty.	Order No.
WNT 4 10X3	100	**1010780000**

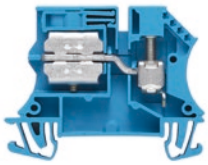
Accessories

	Type		Qty.	Order No.
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	WHP 2.5-35N/10X3 BL		20	**1050280000**
End bracket				
dark beige	WEW 35/2		50	**1061200000**
Screwdriver				
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**2749340000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4		50	**0316500000**
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Marking tags				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**

	Type		Qty.	Order No.
	WAP 2.5-10		50	**1050000000**
	WAP 2.5-10 BL		50	**1050080000**
	WHP 2.5-35N/10X3 BL		20	**1050280000**
	WEW 35/2		50	**1061200000**
	SWIFTY SET		1	**9006060000**
	SDS 0.6X3.5X100		1	**2749340000**
	SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
	ZB 4		50	**0316500000**
	ZB 16 ZKSC		50	**0316600000**
	ZB 35/M6X16		20	**0266500000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**

For detailed information on other accessories and application in the online catalogue

WNT 6 — 6 mm²



7.9 x 60 x 46.5
57 / 10
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
41	45	35	
6	AWG 20...8	AWG 26...8	
	6 kV / 3		
	A5 / V-0		

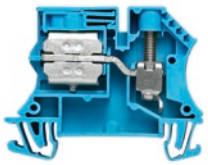
Rated connection
0.5...10 / 1.5...10
0.5...10
/ (M 3.5)
12 / 4.0 x 0.8 mm

Tightening torque, N-isolator 0.8..1.6 Nm

Type	Qty.	Order No.
WNT 6 10X3	50	1010880000

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WAP 2.5-10 BL	50	1050080000
WHP 2.5-35N/10X3 BL	20	1050280000
WEW 35/2	50	1061200000
SWIFTY SET	1	9006060000
SDS 0.6X3.5X100	1	2749340000
SSCH 10X3X1000 CU/SN 140 A	1	0348900000
ZB 4	50	0316500000
ZB 16 ZKSC	50	0316600000
ZB 35/M6X16	20	0266500000
DEK 5/5 MC NE WS	1000	1609801044
WS 12/5 MC NE WS	720	1609860000

WNT 10 — 10 mm²



9.9 x 60 x 46.5
76 / 16
1.31...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
57	60	50	
10	AWG 16...8	AWG 16...6	
	6 kV / 3		
	B6 / V-0		

Rated connection
1.5...16 / 1.5...16
1.5...16
/ (M 4)
12 / 1.0 x 5.5 mm

Tightening torque, N-isolator 0.8..1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 10 10X3 BE	50	1010900000
WNT 10 10X3	50	1010980000

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WAP 2.5-10 BL	50	1050080000
WHP 2.5-35N/10X3 BL	20	1050280000
WEW 35/2	50	1061200000
SWIFTY SET	1	9006060000
SDS 0.6X3.5X100	1	2749340000
SSCH 10X3X1000 CU/SN 140 A	1	0348900000
ZB 4	50	0316500000
ZB 16 ZKSC	50	0316600000
ZB 35/M6X16	20	0266500000
DEK 5/5 MC NE WS	1000	1609801044
WS 12/5 MC NE WS	720	1609860000

WNT 16N — 16 mm²



12 x 60 x 46.5
101 / 25
1.5...25



In accordance with IEC 60947-7-1

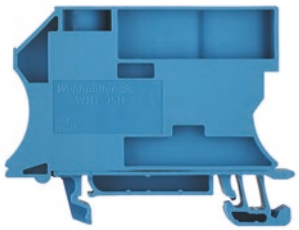
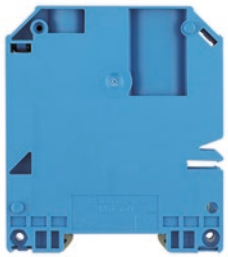
IEC	UL	CSA	EN 60079-7
	300	300	
76	65	65	
16	AWG 14...6	AWG 14...6	
	6 kV / 3		
	B7 / V-0		

Rated connection
1.5...16 / 1.5...25
1.5...16
/ (M 4)
12 / 1.0 x 5.5 mm

Tightening torque, N-isolator 0.8..1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 16N 10X3	50	1019000000

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WAP 2.5-10 BL	50	1050080000
WHP 2.5-35N/10X3 BL	20	1050280000
WEW 35/2	50	1061200000
SWIFTY SET	1	9006060000
SDS 0.6X3.5X100	1	2749340000
SSCH 10X3X1000 CU/SN 140 A	1	0348900000
ZB 4	50	0316500000
ZB 16 ZKSC	50	0316600000
ZB 35/M6X16	20	0266500000
DEK 5/5 MC NE WS	1000	1609801044
WS 12/5 MC NE WS	720	1609860000

	WNT 35N	WNT 70N
	35 mm²	70 mm²
	Compact design	Compact design
		
Width/Height/Depth mm	16 x 66 x 50.5	20.5 x 75 x 85
max. current / max. cond. cross-section A	**140 / 50**	**140 / 95**
Max. clamping range mm²	**2.5…50**	**10…95**

Technical data

	WNT 35N	WNT 70N
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage to adjoining terminal -		600
Rated current A	125	140
for wire cross-section mm²	35	70
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	B8 / V-0	B11 / V-0
Approvals	CE EAC	CE EAC UL
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	2.5…16 / 2.5…50	10…16 / 10…95
Flexible / Flexible with ferrule mm²	2.5…35	10…70
Tightening torque (clamping screw for copper conductors) -	/ (M 6)	/ (M 8)
Tightening torque (separating screw)		
Stripping length / Blade size mm/-	18 / 6.5 x 1.2 mm	22 / S6 (DIN 6911)
Note	The tightening torque for 16 - 50 mm² stranded conductors is 4.5 Nm. Tightening torque for N-isolator: 1.2…2.4 Nm	Tightening torque, N-isolator 2.5..5.0 Nm

Ordering data

Version	Type	Qty.	Order No.
dark beige			
Blue	WNT 35N 10X3	20	**1718550000**
Note			

Type	Qty.	Order No.
WNT 70N/35	10	**9512210000**

Accessories

End plate / Partition plate	Type	Qty.	Order No.
dark beige	WAP 2.5-10	50	**1050000000**
Blue	WAP 2.5-10 BL	50	**1050080000**
Support bracket for 10 x 3 (required every 20 cm)			
Blue	WHP 2.5-35N/10X3 BL	20	**1050280000**
End bracket			
dark beige	WEW 35/2	50	**1061200000**
Screwdriver			
With "swifty set" cutting device	SWIFTY SET	1	**9006060000**
Standard	SDS 0.6X3.5X100	1	**2749340000**
Busbar 10 x 3 (140 A)			
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN 140 A	1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars			
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4	50	**0316500000**
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC	50	**0316600000**
flexible 16 - 35 mm²	ZB 35/M6X16	20	**0266500000**
Marking tags			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 12/5 MC NE WS	720	**1609860000**

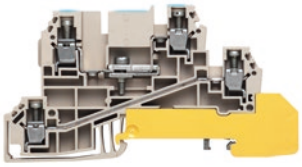
Type	Qty.	Order No.
WAP 2.5-10	50	**1050000000**
WAP 2.5-10 BL	50	**1050080000**
WHP 2.5-35N/10X3 BL	20	**1050280000**
WEW 35/2	50	**1061200000**
SWIFTY SET	1	**9006060000**
SDS 0.6X3.5X100	1	**2749340000**
SSCH 10X3X1000 CU/SN 140 A	1	**0348900000**
ZB 4	50	**0316500000**
ZB 16 ZKSC	50	**0316600000**
ZB 35/M6X16	20	**0266500000**
DEK 5/5 MC NE WS	1000	**1609801044**
WS 12/5 MC NE WS	720	**1609860000**

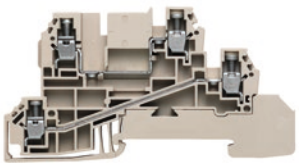
For detailed information on other accessories and application in the online catalogue

Refer to the "W-series Accessories" section for PEN bridges.

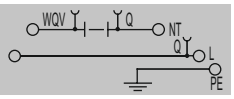


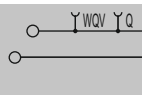
	WDL 2.5/NT/L/PE	2.5 mm²	WDL 2.5/L/L	2.5 mm²





Width/Height/Depth	mm	6.1 x 90 x 48	6.1 x 90 x 48
max. current / max. cond. cross-section	A	**32 / 4**	**32 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**





Technical data

Rated data			
Rated voltage to adjoining terminal	-		
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Tightening torque (clamping screw for copper conductors)	-		
Tightening torque (separating screw)			
Stripping length / Blade size	mm/-		
Note			

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3, A4 / V-0		

CE GB EAC N PUS

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
/ (M 2.5)
8 / 0.6 x 3.5 mm

Further connection refers to clamping point at top left (A4)
2-conductor, 1.5 mm², solid, with 0.6 Nm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3, A4 / V-0		

CE GB EAC N PUS

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
/ (M 2.5)
8 / 0.6 x 3.5 mm

Further connection refers to clamping point at top left (A4)
2-conductor, 1.5 mm², solid, with 0.6 Nm

Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
WDL 2.5/NT/L/PE	50	**1029800000**
PE connection is marked green-yellow		

Type	Qty.	Order No.
WDL 2.5/L/L	50	**1030300000**
WDL 2.5/N/L Order no. 1030000000 (upper connection is marked blue).		

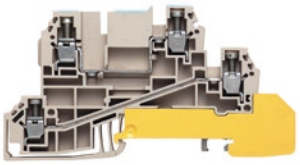
Accessories

Screwable cross-connection			
2-pole	Q 2 WDL2.5S 24 A	50	**1071500000**
3-pole	Q 3 WDL2.5S 24 A	50	**1071600000**
4-pole	Q 4 WDL2.5S 24 A	50	**1071700000**
10-pole	Q 10 WDL2.5S 24 A	20	**1071800000**
20-/24-pole	Q 20 WDL2.5S 24 A	20	**1074200000**
End plate / Partition plate			
dark beige	WAP WDL2.5	20	**1067800000**
Support bracket for 10 x 3 (required every 20 cm)			
dark beige	WHP WDL2.5/S BL	20	**1067980000**
End bracket			
dark beige	WEW 35/2	50	**1061200000**
Screwdriver			
With "swifty set" cutting device	SWIFTY SET	1	**9006060000**
Standard	SDIS 0.6X3.5X100	1	**2749810000**
Marking tags			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 8/5 MC NE WS	720	**1640740000**

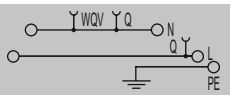
Screwable cross-connection			
2-pole	Q 2 WDL2.5S 24 A	50	**1071500000**
3-pole	Q 3 WDL2.5S 24 A	50	**1071600000**
4-pole	Q 4 WDL2.5S 24 A	50	**1071700000**
10-pole	Q 10 WDL2.5S 24 A	20	**1071800000**
20-/24-pole	Q 20 WDL2.5S 24 A	20	**1074200000**
End plate / Partition plate			
dark beige	WAP WDL2.5	20	**1067800000**
Support bracket for 10 x 3 (required every 20 cm)			
dark beige	WHP WDL2.5/S BL	20	**1067980000**
End bracket			
dark beige	WEW 35/2	50	**1061200000**
Screwdriver			
With "swifty set" cutting device	SWIFTY SET	1	**9006060000**
Standard	SDIS 0.6X3.5X100	1	**2749810000**
Marking tags			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 8/5 MC NE WS	720	**1640740000**

For detailed information on other accessories and application in the online catalogue

WDL 2.5/N/L/PE — 2.5 mm²



6.1 x 90 x 48
32 / 4
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3, A4 / V-0		

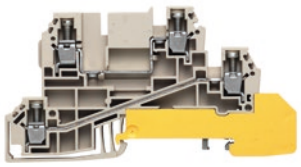
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
/ (M 2.5)
8 / 0.6 x 3.5 mm

Further connection refers to clamping point at top left (A4)
2-conductor, 1.5 mm², solid, with 0.6 Nm

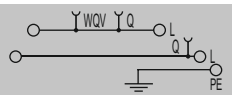
Type	Qty.	Order No.
WDL 2.5/N/L/PE	50	**1029900000**
PE connection is marked green-yellow		

Type		Qty.	Order No.
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WAP WDL2.5		20	**1067800000**
WHP WDL2.5/S BL		20	**1067980000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDIS 0.6X3.5X100		1	**2749810000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**

WDL 2.5/L/L/PE — 2.5 mm²



6.1 x 90 x 48
32 / 4
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3, A4 / V-0		

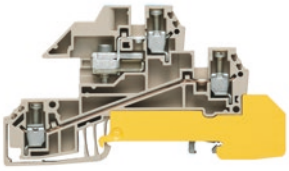
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
/ (M 2.5)
8 / 0.6 x 3.5 mm

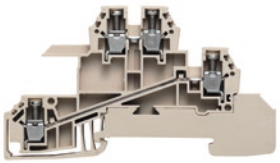
Further connection refers to clamping point at top left (A4)
2-conductor, 1.5 mm², solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/L/L/PE	50	**1030200000**
PE connection is marked green-yellow		

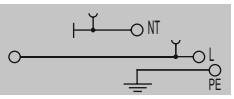
Type		Qty.	Order No.
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WAP WDL2.5		20	**1067800000**
WHP WDL2.5/S BL		20	**1067980000**
WEW 35/2		50	**1061200000**
SWIFTY SET		1	**9006060000**
SDIS 0.6X3.5X100		1	**2749810000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**

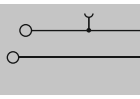
	WDL 2.5/S/NT/L/PE	2.5 mm²	WDL 2.5/S/L/L	2.5 mm²





Width/Height/Depth	mm	6.1 x 84.5 x 48	6.1 x 84.5 x 48
max. current / max. cond. cross-section	A	32 / 4	32 / 4
Max. clamping range	mm²	0.13...4	0.13...4





Technical data

Rated data		
Rated voltage to adjoining terminal	-	
Rated current	A	
for wire cross-section	mm²	
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Tightening torque (clamping screw for copper conductors)	-	
Tightening torque (separating screw)		
Stripping length / Blade size	mm/-	
Note		

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.25...2.5
/ (M 2.5)
8 / 0.6 x 3.5 mm

Rated voltage L-PE and L-NT 250 V.
Tightening torque for isolator 0.4...0.6 Nm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.25...2.5
/ (M 2.5)
8 / 0.6 x 3.5 mm

Ordering data

Version
dark beige
Note

Type	Qty.	Order No.
WDL 2.5/S/NT/L/PE	50	1030600000

PPE connection marked green/yellow, three-phase circuit together with WDL 2.5/S/L/L

Type	Qty.	Order No.
WDL 2.5/S/L/L	50	1031200000

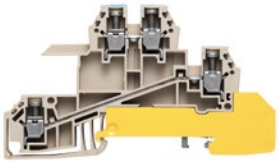
WDL 2.5/S/N/L Order no. 1030800000 (upper connection marked blue).

Accessories

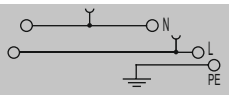
Screwable cross-connection				Type		Qty.	Order No.	Type		Qty.	Order No.
2-pole				Q 2 WDL2.5S	24 A	50	1071500000	Q 2 WDL2.5S	24 A	50	1071500000
3-pole				Q 3 WDL2.5S	24 A	50	1071600000	Q 3 WDL2.5S	24 A	50	1071600000
4-pole				Q 4 WDL2.5S	24 A	50	1071700000	Q 4 WDL2.5S	24 A	50	1071700000
10-pole				Q 10 WDL2.5S	24 A	20	1071800000	Q 10 WDL2.5S	24 A	20	1071800000
20-/24-pole				Q 20 WDL2.5S	24 A	20	1074200000	Q 20 WDL2.5S	24 A	20	1074200000
End bracket											
dark beige				WEW 35/2		50	1061200000	WEW 35/2		50	1061200000
End plate / Partition plate											
dark beige				WAP WDL2.5/S		20	1067700000	WAP WDL2.5/S		20	1067700000
Support bracket for 10 x 3 (required every 20 cm)											
dark beige				WHP WDL2.5/S BL		20	1067980000	WHP WDL2.5/S BL		20	1067980000
Busbar 10 x 3 (140 A)											
Ok, busbar up to Ok, TS 35 = 25.5 mm				SSCH 10X3X1000 CU/SN	140 A	1	0348900000	SSCH 10X3X1000 CU/SN	140 A	1	0348900000
Clamping yoke for power supply to 10 x 3 busbars											
Rigid / flexible 0.5 - 6 / 4 mm²				ZB 4		50	0316500000	ZB 4		50	0316500000
Rigid / flexible 6 - 16 mm²				ZB 16 ZKSC		50	0316600000	ZB 16 ZKSC		50	0316600000
flexible 16 - 35 mm²				ZB 35/M6X16		20	0266500000	ZB 35/M6X16		20	0266500000
Marking tags											
				DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
				WS 8/5 MC NE WS		720	1640740000	WS 8/5 MC NE WS		720	1640740000

For detailed information on other accessories and application in the online catalogue

WDL 2.5/S/N/L/PE — 2.5 mm²



6.1 x 84.5 x 48
32 / 4
0.13...4



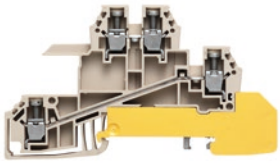
IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

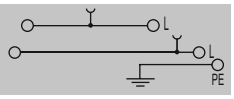
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.25...2.5
/ (M 2.5)
8 / 0.6 x 3.5 mm
L-PE / L-N 250 V

Type		Qty.	Order No.
WDL 2.5/S/N/L/PE		50	**1030700000**
PE connection is marked green-yellow			
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WEW 35/2		50	**1061200000**
WAP WDL2.5/S		20	**1067700000**
WHP WDL2.5/S BL		20	**1067980000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZB 4		50	**0316500000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**

WDL 2.5/S/L/L/PE — 2.5 mm²



6.1 x 84.5 x 48
32 / 4
0.13...4



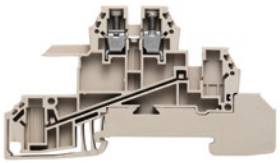
IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.25...2.5
/ (M 2.5)
8 / 0.6 x 3.5 mm
L-PE 250 V

Type		Qty.	Order No.
WDL 2.5/S/L/L/PE		50	**1031100000**
PE connection is marked green-yellow			
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WEW 35/2		50	**1061200000**
WAP WDL2.5/S		20	**1067700000**
WHP WDL2.5/S BL		20	**1067980000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZB 4		50	**0316500000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**

WDL 2.5/S/L — 2.5 mm²



6.1 x 84.5 x 48
32 / 4
0.13...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.25...2.5
/ (M 2.5)
8 / 0.6 x 3.5 mm

Type		Qty.	Order No.
WDL 2.5/S/L		50	**1031300000**
WDL 2.5/S/N Order no. 1030900000 (connection marked blue).			
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WEW 35/2		50	**1061200000**
WAP WDL2.5/S		20	**1067700000**
WHP WDL2.5/S BL		20	**1067980000**
SSCH 10X3X1000 CU/SN	140 A	1	**0348900000**
ZB 4		50	**0316500000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**



Installation

Installation	Assembly instructions	C.2
	Mounting accessories	C.10
	Busbars and accessories	C.24
	Marking system	C.34
	Tools	C.40
	Enclosure system	C.42
	Materials	C.44
	Standards and regulations	C.48
	Types	C.56

General technical notes

Useful tips from planning through to installation

As a system planner, you bear the responsibility for the correct selection of solutions and components. The IEC standard and the DIN EN 61439 "Low-voltage switchgear and controlgear assemblies" standard support you here. They stipulate the planning and construction requirements, as well as the necessary design verifications. The essential prerequisites are, of course, professional handling of equipment and observance of the rules in force. Only in this way can hazards to persons and property be avoided when they are dealing with electrical energy. In particular, installation, maintenance work, modifications and retrofitting may only be carried out by qualified personnel and in compliance with the general installation and safety regulations for work on power installations.

Our promise

Connections in the panel have to satisfy numerous rules and conditions. Whether installing terminal strips and terminal blocks or using aluminium conductors – we provide you with useful tips that make your work easier.

Operating conditions

The specifications contained in the documentation apply, insofar as no separate stipulations apply, for the recommended installation position and for environmental conditions in the case of indoor installation (pollution severity 3, in exceptional cases 2) in accordance with IEC 60439-1 and IEC 61439-1/2/3. The user has to refer the manufacturer to special operating conditions deviating from this standard! You have to provide for installation-specific reduction factors depending on the actual operating conditions. The load factors listed in the table below constitute guidelines.

Guidelines for rated load factors

Number of main circuits	Rated load factor	
	acc. to IEC 61439-2	acc. to IEC 61439-3
2 and 3	0.9	0.8
4 and 5	0.8	0.7
6 to 9 inclusive	0.7	0.6
10 and more	0.6	0.5

IEC 61439
Part 2: Power switchgear and controlgear assemblies
Part 3: Distribution boards intended to be operated by ordinary persons

What you have to observe for installation

In the case of products containing cartridge fuses, you have to follow the specifications from the associated product standards with regard to the wire cross-sections to be connected. The specified temperature resistance of the plastics used has to be observed.

Here, we recommend installing the products vertically on horizontal terminal rail systems. The rated load factors in the table are applicable for this installation position and also for components with permissible power losses. This also pertains to the environmental conditions in accordance with IEC 60439-1, section 6.1.1.1 and IEC 61439-2/3, section 7.1.1.1.

And what if the conditions deviate
In case of a deviation in the installation position and operating conditions, you have to consider all the factors influencing the maximum temperature. These include, for example:

- Power output of the cartridge fuses and the devices in operation
- Timings, full and partial load, concurrency
- Arrangement in the system, mutual interaction between the devices
- Rail cross-section, conductor cross-section
- Ambient temperature, flow conditions, ventilation and cooling through additional correction factors

Installation positions are inadmissible in which gravity works against the direction of contact movement. Clearance and creepage distances have to be measured in accordance with IEC 60664-1 (VDE 0110 Part 1). Above 12 mm, all IEC requirements are met up to 690 V AC. You also have to consider further factors, such as minimum distances to grounded parts. This particularly applies for UL applications. You also need to avoid the harmful influences of chemical substances during storage, processing and operation.

% marking
Our products are subject to mandatory %-marking in conjunction with Low Voltage Directive 73/23/EEC, as amended by Directive 2014/35/EU. We have affixed the % mark on the individual packing units and partly on the products themselves. We hereby confirm to you that our products comply with the applicable regulations. We would be pleased to provide you with the relevant declarations of conformity at our company.

RoHS Directive
The restriction on lead and five further potentially hazardous substances used in electrical and electronic equipment is defined by the EU RoHS Directive. You will find more information at:
www.weidmueller.com/rohs

REACH Regulation
The European chemical regulation REACH stands for the Registration, Evaluation, Authorisation and restriction of Chemicals. You will find current information at:
www.weidmueller.com/reach

Our tips for you

It always has to be ensured that ...

- all accessible parts are deactivated during installation and maintenance work
- connections are made with the prescribed torque, suitable fitted parts are used and parts are completely installed for touch-safe protection
- connections are checked and, if necessary, tightened after transportation
- the products are used and operated according to the intended purpose
- the technical description in the product manual and the installation instructions are observed and the documents are kept accessible for subsequent maintenance work, modifications and retrofitting
- modifications that serve for advancement and technical progress are reserved

Mounting of terminal strips

Always a secure connection

Terminal strips are used for quick installation of cables and conductors. They are the interface from the panel to the outside world. Below, you will find some useful tips, information and binding rules to support you in mounting terminal strips.

Combinations of different terminal blocks
In case of a contour change, you have to use end plates and partition plates (WAP/TW, ZAP/TW and IAP). If terminal blocks with different rated voltages are arranged next to one another, you need end plates or partition plates (WAP/TW, ZAP/TW). Good to know: when arranging the PE terminal block next to, or between the associated feed-through terminals blocks of the same series and size, the rated voltage and the rated impulse voltage of the feed-through terminal blocks are not influenced.

Dimensions
The dimension of the housing enclosing the terminal blocks and fastening components is specified, but without tolerances. Please consider a mounting tolerance of 0.2 mm to the specified terminal width in your project design.

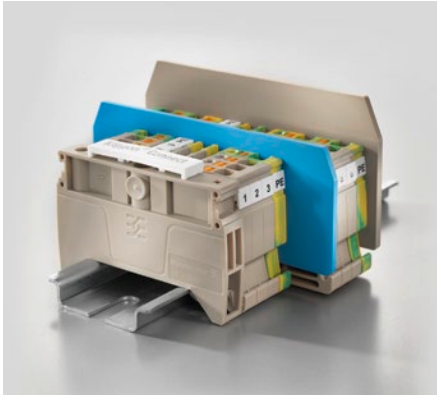
Partition plate
You use a partition plate for visual separation of circuits or for electrical isolation from neighbouring cross-connectors.

Small partition
In the case of terminal blocks, up to a terminal width of max. 12 mm, you can retroactively insert small partitions between cross-connections or sockets.

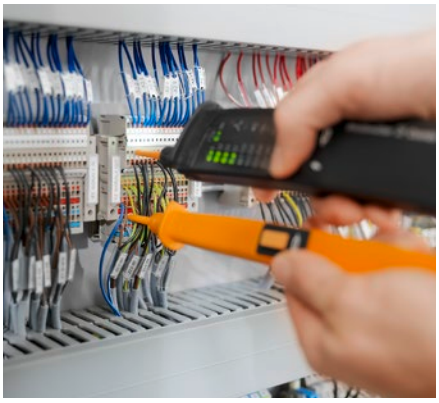
End bracket at the beginning and end of the terminal strip



Partition plates improve the overview



Troubleshooting with bipolar voltage tester incl. measurement probe according to IEC 61243-3



Compliance with the rated insulation voltage
We specify the required stripping length for all our products in mm. These lengths, e.g. 6 mm ± 0.5 mm, ≥ 10 mm ± 1 mm are absolutely binding. This is also the case if you use wire-end ferrules. IEC 60947-1 applies for the outside dimension of crimped wire-end ferrules.

Working on electrical connectors with non-insulated screwdrivers
The following five rules apply for working on electrical systems and equipment with non-insulated screwdrivers:
- Disconnect the electrical systems
- Prevent from being switched back on
- Ascertain absence of voltage
- Earth and short-circuit
- Cover or block off neighbouring parts under voltage

Please find the individual measures to be taken in consideration of the operational and local conditions, for example high voltage and low voltage lines, cables or switchgear systems, in VDE 0105 Part 100.

Unused contact points under voltage
Protect unused contact points that may be live against inadvertent touching by using suitable covers, such as ADP 1 to 4. The clamping screws of unused contact points that are not live must also be tightened.

Tightening torque range for clamping screws
The test torque according to IEC 60947-1 or the torque according to the manufacturer's specifications is the lower value of the torque range. With this, all tests are passed. The upper value of the torque range is the maximum torque that may be applied.
Preferably set the electrical torque screwdriver to the midpoint torque of the terminal torque range. We have assigned product-specific data directly to the respective products.

Tightening the clamping screw in the specified torque ranges ensures:
- Reliable and gas-tight clamping
- No mechanical destruction of the clamping yokes
- Voltage drop well below the required limit value

Our installation tips for you

- The terminal strip structure is from left to right
- Place the closed side to the left, the open side to the right
- Always close the open side of the terminal strip with end plates or separation plates (WAP/TW, ZAP/TW)
- End brackets have to be placed at the beginning and end of a terminal strip

Connecting terminal blocks

With the right torque

The right torque is a decisive factor in professional connection of terminal blocks in order to avoid damage to the electrical systems. Therefore, always apply the tightening torque specified in the installation instructions or on the Internet for the product.

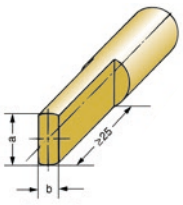
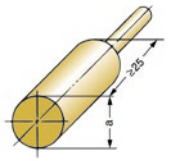
Unless limits are specified, the deviation of the tightening torque for screw and clamp connections may be a maximum of ±/–20 percent of the rated value. If no range is specified for clamping cross-sections, the lower clamping range is limited to two levels below the rated cross-section. Please find the relationships between the wire cross-sections in mm² and AWG/MCM sizes in the table below.

General technical data for conversion AWG* conductor to mm²

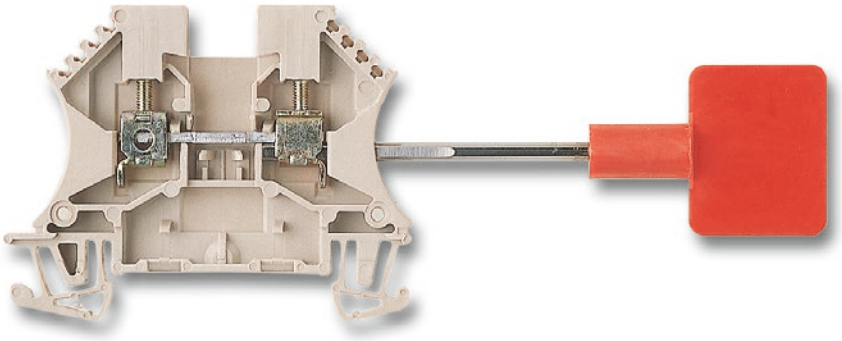
AWG	mm²
28	0.08
26	0.13
24	0.20
22	0.33
20	0.52
19	0.65
18	0.82
17	1.04
16	1.31
15	1.65
14	2.08
13	2.63
12	3.31
11	4.17
10	5.26
9	6.63
8	8.37
7	10.55
6	13.30
5	16.77
4	21.15
3	26.67
2	33.63
1	42.41
0	53.48

Plug gauge according to IEC 60947-1: insertability of unprepared round conductors with the largest defined cross-section

Test with the defined gauge, insertion under own weight

Cable diameter		Gauge					
		Shape A			Shape B		
							
Flexible conductors mm²	Solid conductors (one or more wires) mm²	Desig-nation	Diameter a mm	Width b mm	Desig-nation	Diameter a mm	Permissible deviation for a and b mm
1.5	1.5	A 1	2.4	1.5	B 1	1.9	
2.5	2.5	A 2	2.8	2.0	B 2	2.4	0 – 0.05
2.5	4	A 3	2.8	2.4	B 3	2.7	
4	6	A 4	3.6	3.1	B 4	3.5	
6	10	A 5	4.3	4.0	B 5	4.4	0 – 0.06
10	16	A 6	5.4	5.1	B 6	5.3	
16	25	A 7	7.1	6.3	B 7	6.9	
25	35	A 8	8.3	7.8	B 8	8.2	0 – 0.07
35	50	A 9	10.2	9.2	B 9	10.0	
50	70	A 10	12.3	11.0	B 10	12.0	
70	95	A 11	14.2	13.1	B 11	14.0	0 – 0.08
95	120	A 12	16.2	15.1	B 12	16.0	
120	150	A 13	18.2	17.0	B 13	18.0	

* **AWG** is the abbreviation for "**A**merican **W**ire **G**auge".



Approval of wire-end ferrules
Wire-end ferrules are only ever approved for applications according to IEC/EN standards. We tested examples for the application of wire-end ferrules; this does represent any form of general approval for different ferrule pressings. You may have to reduce the maximum wire cross-sections. Conductors have to be manufactured taking into consideration the requirements of IEC/EN 60999-1 and -2 and have to be configured such that there is no tensile loading.

Two conductors at a contact point
You achieve assignment to individual circuits, identification and division of individual functional units optimally by only connecting one conductor to each contact point. Terminal blocks with screw connection (W-Series) are available to you should two conductors of the same cross-section be connected to a contact point. The connection of two cables with screwless contact points is forbidden according to DIN IEC 60999-1. Connection of two conductors is possible in terminal blocks with spring connection, however, by using twin wire-end ferrules.

Continuous current for two conductors
The total current of two conductors must not exceed the continuous current of the terminal block. The continuous current is the maximum current a terminal block can carry without exceeding a temperature increase of 45 K.

Rated voltage
The rated voltage of the terminal block does not change with the proper connection of two conductors.

Use of aluminium conductors

Very secure contact

Aluminium conductors have many advantages. However, various conditions must be met in order to achieve secure contact with these conductors. The specifications for the conductor connections for terminal blocks only apply for copper conductors. They do not apply to aluminium conductors.

Why is the use of aluminium conductors so attractive?

The use of aluminium conductors is becoming increasingly attractive, especially when conductors with cross-sections over 16 mm² are used. One advantage of aluminium as a wire material is its favourable price as compared with copper. Aluminium also weighs significantly less. This makes routing cables much easier.

Properties and physical influences of aluminium

The direct contact of aluminium as an electrical conductor is essentially determined by three physical influences:

- Exposure to oxygen immediately forms a non-conducting oxide layer on the surface of the aluminium conductor. The result is an increase in the contact resistance between the connection system and the aluminium conductor. In the worst case, this can lead to the terminal block catching fire.
- The conductivity of aluminium is one-third lower than that of copper. For this reason, the selection of the right cross-section should always be dependent on the maximum anticipated current. When using aluminium conductors, we therefore recommend always selecting one conductor size larger for the same current carrying capacity.
- Aluminium has a tendency to flow under mechanical pressure loading. This necessitates checking the specified torque prior to initial use and monitoring the torque applied after approx. 200 operating hours.

Professional processing and handling of aluminium conductors for direct connection

In order to ensure optimal connection of solid and sectional core aluminium conductors, the stripped end of the conductor must be cleaned of the oxide layer immediately by scraping, e.g. with a knife. Please note that no brushes, files or sandpaper may be used, as aluminium particles could be stuck and thus transferred to other conductors.

Immediately after removing the oxide layer, the end of the conductor has to be rubbed with neutral grease (for example with acid and alkali free vaseline) and connected in the terminal immediately. If the conductor has been disconnected and reconnected, the work steps have to be repeated.

Terminal blocks for aluminium conductors

WDU 2.5	20 A	solid 2,5 mm²	0.4 NM
WDU 4	27 A	solid 4 mm²	0.5 NM
WDU 6	35 A	solid 6 mm²	0.8 NM
WDU 10	48 A	solid and stranded with 10 mm² wire-end	1.2 NM
WDU 16	50 A	solid "re"16 mm²	3.0 NM
WDU 35	60 A	solid 35 mm²	4.0 NM
WDU 50N	118 A	solid and sector-shaped 50 mm²	6.0 NM
WDU 70N	150 A	solid and sector-shaped 70 mm²	12.0 NM
WDU 120	290 A	sector-shaped 150 mm²	15.0 NM
WDU 240	415 A	solid and sector-shaped 240 mm²	30.0 NM
WPD × 01 ...	152 A	25 mm² solid, stranded and sector-shaped in acc. with IEC 61238-1	4 NM
WPD × 02 ...	202 A	35 mm² solid, stranded and sector-shaped in acc. with IEC 61238-1	16² = 4.0 NM 25² = 6.0 NM 35² = 8.0 NM
WPD × 03 ...	300 A	70 mm² solid, stranded and sector-shaped in acc. with IEC 61238-1	16² = 4.0 NM 25² = 6.0 NM 35² = 8.0 NM 50² = 10.0 NM 70² = 18.0 NM

* Further terminal blocks, with data for the aluminum connection, could be found in the chapters power supply, power distribution and building installation wiring. (WPD series)



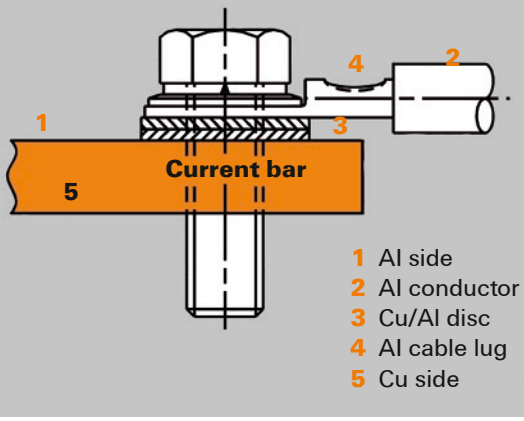
In case of WDU 240, the manufacturer's specifications concerning current-carrying capacity of the aluminium conductor used have to be observed. This is usually well below 400 A.

Professional preparation and handling of aluminium conductors with indirect connection
Indirect connection of aluminium conductors is the safest choice. This can be enabled through the use of connecting elements, such as Al/Cu ring cable lugs or compression bolts. Nevertheless, the relevant manufacturer's specifications must also be observed here and the contact point checked according to the operating instructions.

For normal environmental conditions and load cases, we recommend checking at intervals of six months. With unfavourable operating conditions or frequent temperature changes at the contact points, a shorter interval may be necessary. Temperature measurement strips with storage of maximum values can be attached in the immediate vicinity of the contact points and may be useful for objective assessment with regular tests. All contact points are suitable for the connection of one conductor, unless noted otherwise.

Installation instructions for flat cable lugs
When tightening the terminals, it is recommended to apply a counter-force on the conductor to avoid deformation of the terminal rail and to keep the foot of the terminal free of torsion forces. Connection of stranded aluminium conductors to terminal blocks is achieved with the aid of an aluminium cable lug. This is selected according to the shape of the conductor and is connected to the cable lug manufacturer's specifications. Cu/Al washers are required at the junction of aluminium cable lugs to the terminal block current bar. Only then is a smooth transition from copper to aluminium ensured. They are fitted such that the copper side of the current bar and the aluminium side make contact with the aluminium cable lug.

Mounting screw



Installation in conformity with standards

With precisely matched accessories

When mounting terminal blocks and assembling panels, you must always be able to rely on accessories fitting perfectly. Only then do the processes run smoothly and therefore productively. The requirements placed on terminal rails, busbars, as well as cover plates and support brackets, are correspondingly high. They have to comply with numerous standards and safety regulations.

Our promise
Our components are aligned to each other right down to the finest detail and hence make installation easier for you.

Information and ordering data for mounting accessories is available to you in our online catalogue.

Terminal rails

Terminal and top-hat rails for component mounting and end brackets are important for holding and insulating the components. Depending on the application area, we offer terminal rails made of steel, stainless steel, aluminium, copper or plastic.

Stainless steel
Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

Aluminium
Aluminium has the second best electrical conductivity after copper. One advantage is low weight, another is outstanding corrosion protection.

Copper
Copper has the best electrical conductivity of all metals used. The copper rail has the highest short-circuit protection.

Plastic
Plastic terminal rails have insulating properties and are very light. They can be used where clearance and creepage distances to the support bracket cannot be achieved with standard terminal rails.

Steel
Steel terminal rails are the most widespread on the market. Among metal terminal rails, they have the lowest short-circuit protection, similar to stainless steel.

Use as PE conductors or PEN busbars
Under certain circumstances, you can also use terminal rails as bus bars for protective conductors (PE conductors) or PEN conductors. The Weidmüller PE terminal blocks with spring and screw connections fulfil the requirements for PE conductors defined in IEC 60 947-7-2. According to VDE 0100 Part 540, protective earth conductors and neutral conductors with wire cross-sections above 10 mm^2 may be combined to form a conductor abbreviated as PEN.

Our installation tip

If a terminal rail is used as a PEN busbar, the following criteria have to be observed:
- Only profiles made of E-Cu or aluminium are permissible
- Short-circuit currents and thermal rated currents
- Insulate terminal rails with the “protective insulation”protective measure



Busbars

In the case of switchgear and control systems it, may be necessary to bring the neutral and PE conductor together on busbars. They offer the possibility of connecting a large number of conductors (on 1 m rails up to 70 conductors) with a low space requirement – either via a pressure piece or a clamping yoke. The SH rail support (which can also be arranged between the clamping yokes for longer bar) serves for fixing purposes. If the clamping yoke is used as protective earth connection, we can optionally supply it with green-yellow or as neutral conductor with blue insulation cap.

Our installation tip

- In order to combine neutral or protective earth conductors at a central point, the ZB clamping yoke can be used together advantageously with the 10 × 3 or 6 × 6 busbars
- The ZBE 6 can be retroactively swivelled on to the busbars

Cover profiles and support brackets

Several safety regulations, such as the accident prevention regulation “Electrical Installations and Equipment” (VBG 4) and VDE 0106 Part 100/3.83, require from you that active parts of electrical equipment are protected against direct touching. Our cover profiles with associated support brackets may be used for the most common terminal sizes. The support brackets can be arranged at the end or along the the terminal strip. They can be fastened to TS 32, TS 35 or TS 15 terminal rails.

Our installation tip

- Linear intervals of the support brackets: the linear measure of the ADP 1, 2 and 3 between the support brackets should not significantly exceed 300 mm
- The cover profile is also snapped on to tags at the sides; extra tightness is achieved with pegs on the support brackets for sealing purposes
- The transparent design of the profiles allows terminals with accessories and marking to be identified at any time. Additional markings, e.g. from groups, can also be applied

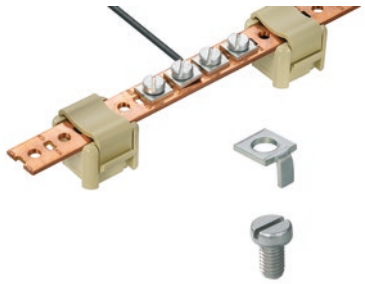
Busbars, unslotted



SSch

Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
SSCH 6X6X1000 CU/SN	Copper	6...6 mm		140 A	1	0571300000
SSCH 10X3X1000 CU/SN	Copper	10...3 mm		140 A	1	0348900000
PFBD 10.00x3.00x1000 CuZn35Pb	Brass	10...3 mm		100 A	1	0259800000
SSCH 10X3X1000 ST/ZN	Steel	10...3 mm			1	0438000000
SSCH 15X6X1000 CU/SN	Copper	15...6 mm		265 A	1	0357400000
SSCH 10X3X2000 CU VERZ.	Copper	10...3 mm			2	1397000000

Busbars, slotted



NSch / ESch

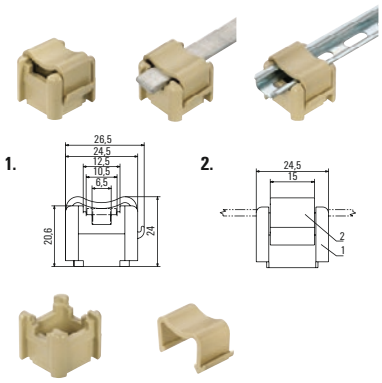
Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
ESCH 1 M	Steel	1000...2 mm		24 A	1	0280300000
NSCH 1M	Copper	1000...2 mm		24 A	1	0280200000
NSCH 2M	Copper	2000...2 mm		24 A	2	1313600000
Pressure piece					**Qty.**	**Order No.**
DKSUE NSCH/ESCH					100	0280100000
Clamping screw						
BFSC M5X8 SCHLITZ					100	0296700000

Technical data

Solid	...
Stripping length	
Cable lug to DIN 46234	
Current	

Rail support

With yoke and base



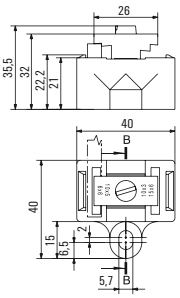
SH 1

Type	Width	Height	Depth	Qty.	Order No.
SH 1	26 mm	24.5 mm	24 mm	20	0299860000
Individual parts				**Qty.**	**Order No.**
SO SH1				20	0401460000
KLBUE SH1				20	0635960000
Screwable cross-connection					
BFSC M4X9T				100	0103300000
BFSC M4X30				50	0267100000
SH 1: for busbar cross-section 10 x 3, 6 x 6, 15 x 2, 12 x 2, 15 x 2, 15 x 6					

Rail support

With metal bridge



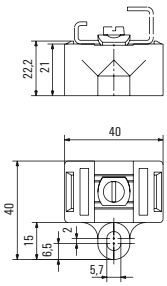


SH 2S

Type	Width	Height	Depth	Qty.	Order No.
SH 2 S	40 mm	40 mm	35.5 mm	10	**0641720000**
For busbar cross-section 10 x 3, 6 x 6, 10 x 5, 15 x 6					

Rail support





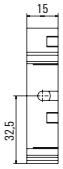
SH 2

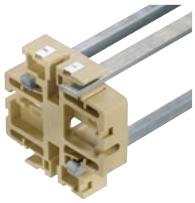
Type	Width	Height	Depth	Qty.	Order No.
SH 2	40 mm	40 mm	25 mm	10	**0494920000**
The arrangement of mounting rails in totally insulated facilities					

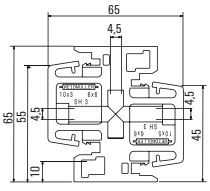
Rail support

With metal bridge





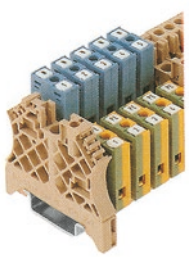




SH 3

Type	Width	Height	Depth	Qty.	Order No.
SH 3	65 mm	15 mm	65 mm	10	**0556660000**
For busbar cross-section 10 x 3, 6 x 6, 10 x 5					

Rail support





WEW

Type	Width	Height	Depth	Qty.	Order No.
Polyamide with fibre glass, screwable					
WEW 35/1	12 mm	56 mm	62.5 mm	50	**1059000000**
WEW 35/2	8 mm	56 mm	46.5 mm	50	**1061200000**
WEW 35/1 GR	12 mm	56 mm	62.5 mm	50	**1227890000**
WEW 35/1 SW	12 mm	56 mm	63 mm	50	**1162600000**
WEW 35/2 GR	8 mm	56 mm	46.5 mm	100	**1859200000**
WEW 35/2 SW	8 mm	56 mm	47 mm	100	**1061210000**
For busbar cross-section 10 x 3, 6 x 6					

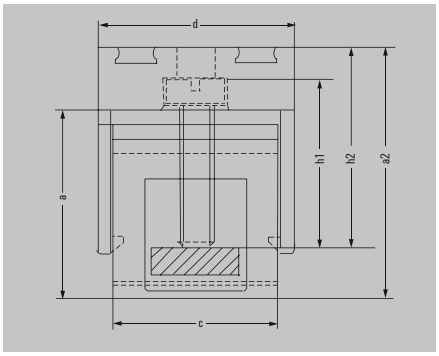
Busbar tap terminal



WBBD 16

Type	Rated voltage	Rated current	Clamping range min. / max.	Colour	Qty.	Order No.
WBBD 16 BL	690 V	114 A	1…16 mm²	blue	12	**2603850000**
WBBD 16 GN	690 V	114 A	1…16 mm²	green	12	**2603860000**
WBBD 16 GY	690 V	114 A	1…16 mm²	grey	12	**2603840000**

Clamping yoke, uninsulated



Tightening torques for clamping screws according to IEC 60947-1

Products with screw with slotted head		
Thread	Tightening torque	
	Steel screws	
	min. 8.8	A 2/A 4-80
	[Nm]	[Nm]
M 2	0.2...0.35	0.2...0.35
M 2.5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3.5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	...
M 5	2.0...4.0	...
M 6	2.5...5.0	...

for busbar 10 x 3 mm



Solid	0.5...6 mm²
Flexible	0.5...4 mm²
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4	silver	5.3 mm	15.5 mm	16 mm	50	0316500000
IK 4 BL ZB4	silver	6 mm	19 mm	14.5 mm	50	0475480000
IK 4 GG ZB4	silver	6 mm	19 mm	14.5 mm	50	0475460000

for busbar 10 x 3 mm

For subsequently slewing-in



Solid	1...10 mm²
Flexible	1.5...10 mm²
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6	silver	8 mm	19 mm	28 mm	50	0459500000
IK 6 GG ZBE6K	silver	7.8 mm	22.5 mm		50	0526060000

for busbar 10 x 3 mm

Also for 10 x 5 mm busbars



Solid	1.5...10 mm²
Flexible	2.5...10 mm²
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

ZB 10

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 10 F.10X3/10X5/10X10	silver	8 mm	19.5 mm	29.1 mm	50	1261300000

for busbar 10 x 3 mm



Solid	2.5...16 mm²
Flexible	2.5...16 mm²
Stranded	16...25 mm²
Clamping screw	M 4
Stripping length	16 mm

ZB 16

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16 ZKSC	silver	10 mm	16 mm	24 mm	50	0316600000
IK 16/ZB16 BL	silver	9 mm	19 mm	20 mm	50	0502980000
IK 16/ZB16 GG	silver	9 mm	19 mm	20 mm	50	0502960000

for busbar 10 x 3 mm



Solid	16...16 mm²
Flexible	16...35 mm²
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

ZB 35

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35/M6X16	silver	14 mm	18 mm	34 mm	20	0266500000
IK 35/ZB35 BL	silver	14 mm	32 mm	8.6 mm	50	0502780000

for busbar 6 x 6 mm



Solid	0.5...6 mm²
Flexible	0.5...4 mm²
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

ZB 4/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6	silver	5.3 mm	12 mm	20 mm	50	0556700000

for busbar 6 x 6 mm

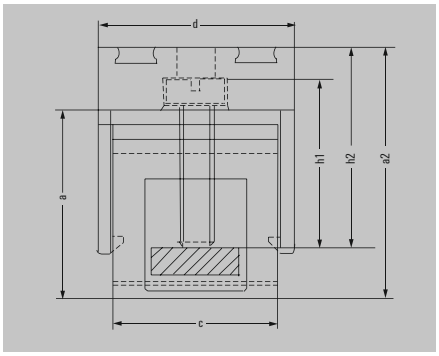


Solid	2.5...16 mm²
Flexible	2.5...16 mm²
Stranded	16...25 mm²
Clamping screw	M 4
Stripping length	12 mm

ZB 16/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6	silver	10 mm	12.5 mm	30.7 mm	50	0556800000

Clamping yoke, insulated



for busbar 10 x 3 mm



Solid	0.5…6 mm²
Flexible	…
Stranded	…
Clamping screw	M 3
Stripping length	16 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4G BL	silver	7.4 mm	19.5 mm	27 mm	50	0322180000
ZB 4G GN/GE	silver	7.4 mm	19.5 mm	27 mm	50	0322160000
ZB 4G SW	silver	7.4 mm	19.5 mm	27 mm	50	0322110000
ZB 4K BL	silver	6 mm	19 mm	20.4 mm	50	0475380000
ZB 4K GE/GN	silver	6 mm	19 mm	20.4 mm	50	0475360000

for busbar 10 x 3 mm

For subsequently slewing-in



Solid	1…10 mm²
Flexible	1.5…10 mm²
Stranded	…
Clamping screw	M 4
Stripping length	19 mm

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6K BL	blue	8 mm	22.5 mm	19.5 mm	50	0525980000
ZBE 6K GE/GN	yellow, green	8 mm	22.5 mm	19.5 mm	50	0525960000
ZBE 6K SW	black	8 mm	22.5 mm	19.5 mm	50	0525910000

for busbar 10 x 3 mm



Solid	2.5…16 mm²
Flexible	2.5…16 mm²
Stranded	16…25 mm²
Clamping screw	M 4
Stripping length	16 mm

ZB 16K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16K BL	silver	10 mm	19 mm	26.8 mm	50	0502880000
ZB 16K GE/GN	silver	10 mm	19 mm	26.8 mm	50	0502860000

for busbar 10 x 3 mm



Solid	16…16 mm²
Flexible	16…35 mm²
Stranded	…
Clamping screw	M 6
Stripping length	19 mm

ZB 35K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35K BL M6X16	silver	14 mm	32 mm	34 mm	20	0502680000
ZB 35K GE/GN M6X16	silver	14 mm	32 mm	34 mm	20	0502660000
ZB 35K SW M6X16	silver	14 mm	32 mm	34 mm	20	0502610000

for busbar 10 x 3 mm

Tension clamp connection



Solid	0.5…4 mm²
Flexible	0.5…2.5 mm²
Stranded	…
Clamping screw	
Stripping length	10 mm

ZF 4 S

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZF 4 S	silver	6.1 mm	24.5 mm	22 mm	50	1814680000
ZF 4 S BL	silver	6.1 mm	24.5 mm	22 mm	50	1814660000
ZF 4 S GN	silver	6.1 mm	24.5 mm	22 mm	50	1814670000

for busbar 6 x 6 mm



Solid	0.5…6 mm²
Flexible	0.5…4 mm²
Stranded	…
Clamping screw	M 3
Stripping length	16 mm

ZB 4 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6K BL	silver	6 mm	25 mm	14.7 mm	50	0565480000
ZB 4/6K GE/GN	silver	6 mm	25 mm	14.7 mm	50	0565460000

for busbar 6 x 6 mm

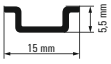


Solid	2.5…16 mm²
Flexible	2.5…16 mm²
Stranded	16…25 mm²
Clamping screw	M 4
Stripping length	12 mm

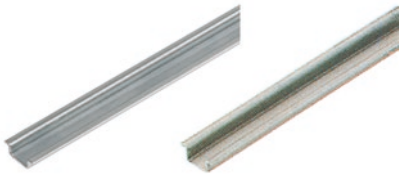
ZB 16 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6K GE/GN	silver	10 mm	25 mm	30.7 mm	50	0569660000

TS 15 terminal rail



unslotted

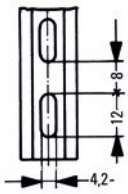


TS 15 x 5

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Aluminium					
TS 15X5 2M/AL/BK	76.00 A	15 mm		2	**0134700000**
Steel, galvanised and passivated					
TS 15X5 2M/ST/ZN		15 mm		2	**0514200000**

TS 15 terminal rail

with slot





TS 15 x 5

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 15X5/LL 2M/ST/ZN		15 mm		2	**0117500000**
TS 15X5/LL 1M/ST/ZN		15 mm		1	**0117510000**

TS 20 terminal rail



TS 20 x 10

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
TS 20/CX10 2M/ST/ZN		10 mm		2	**0316400000**

TS 27 terminal rail

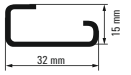


TS 27 x 12.5

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
TS 27X12.5M/ST/F.ZN		27 mm		2	**1802690000**

C

TS 32 terminal rail



unslotted

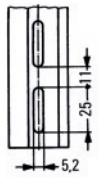


TS 32 x 15

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Aluminium					
TS 32X15 2M/AL/BK	192.00 A	33 mm		2	**0169300000**
Steel, galvanised and passivated					
TS 32X15 2M/ST/ZN		33 mm		2	**0122800000**
Stainless steel, rust-proof					
TS 32X15 2M/CRN		33 mm		2	**0293220000**
TS 32X15 2M/AL/BK: max. permitted rated current for PEN function = 192 A					

TS 32 terminal rail

with slot





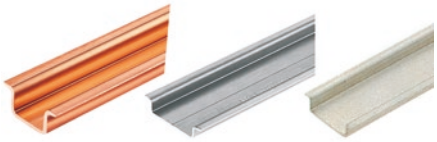
TS 32 x 15

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 32X15/LL 2M/ST/ZN		33 mm		2	**0514400000**

TS 35 x 7.5 terminal rail



unslotted



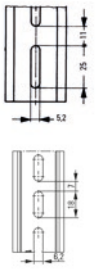
TS 35 x 7.5

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Copper					
TS 35X15/2.3 2M/CU/BK	309.00 A	35 mm		2	**0270100000**
TS 35X7.5/1.0 2M/CU/BK		35 mm		2	**2731380000**
Aluminium					
TS 35X7.5 2M/AL/BK	125.00 A	35 mm		2	**0330800000**
Steel, galvanised and passivated					
TS 35X7.5 2M/ST/ZN		35 mm		2	**0383400000**
TS 35X7.5 1M/ST/ZN		35 mm		1	**0383410000**
Stainless steel, rust-proof					
TS 35X7.5 2M/CRN		35 mm		2	**1747350000**
TS 35X7.5 2M/CRN 316L		35 mm		2	**2716000000**
TS 35X7.5 2M/AL/BK: max. permitted rated current for PEN function = 125 A					

TS 35 x 7.5 terminal rail

with slot





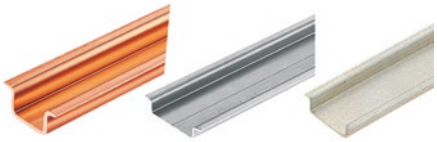
TS 35 x 7.5

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 35X7.5/LL 1M/ST/ZN		35 mm		1	**0514510000**
TS 35X7.5/LL 2M/ST/ZN		35 mm		2	**0514500000**
TS 35X7.5/LL/6 2M/ST/ZN		35 mm		2	**0514570000**

TS 35 x 15 terminal rail



unslotted



TS 35 x 15

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Copper					
TS 35X15/2.3 2M/CU/BK	309.00 A	35 mm		2	**0270100000**
Steel, galvanised and passivated					
TS 35X15/2.3 2M/ST/ZN		35 mm		2	**0498000000**
Aluminium					
TS 35X15/2.3 2M/AL/BK	232.00 A	35 mm		2	**1848290000**
TS 35X7.5 2M/AL/BK: max. permitted rated current for PEN function = 125 A					

TS 35 x 15 terminal rail

unslotted



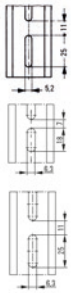
TS 35 x 15

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 35X15 2M/ST/ZN		35 mm		2	**0236400000**
max. permitted rated current for PEN function: TS 35X15/2.3 2M/CU/BK = 309 A / TS 35X15/2.3 2M/AL/BK = 192 A					

TS 35 x 15 terminal rail

with slot

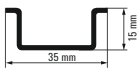




TS 35 x 15

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 35X15/LL 2M/ST/ZN		35 mm		2	**0236500000**
TS 35X15/LL 1M/ST/ZN		35 mm		1	**0236510000**
TS 35X15/6X18 2M/ST/ZN		35 mm		2	**1805980000**
TS 35X15/6X25 2M/ST/ZN		35 mm		2	**1866290000**

TS 35 x 15 terminal rail



unslotted



TSK 35 x 15

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
Plastic PVC RAL 7035					
TSK 35X15 2M PVC/GR		35 mm		2	**0514300000**

End cap for TS 35



End cap for TS 35

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
End cap TS 35 x 7.5					
TS END CAP 35X7.5		37.5 mm		100	**1283470000**
End cap TS 35 x 15					
TS END CAP 35X15		37.5 mm		100	**1283480000**

for TS 15 terminal rail



EW 15



EW 15/2



ZEW 15

Type	Colour	Torque	Qty.	Order No.
Polyamide 66, screwable				
EW 15	beige		50	**0382860000**
Polyamide with fibre glass, screwable				
EW 15/2	dark beige		50	**1071900000**
Polyamide 66, screwless				
ZEW 15	beige		20	**7920340000**

for TS 32 terminal rail



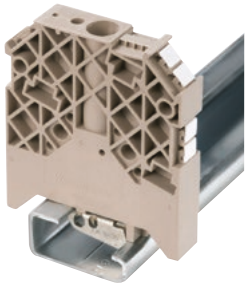
EWK 1



EWK 2



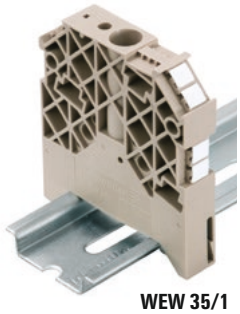
MEW 1/32



WEW 32/1

Type	Colour	Torque	Qty.	Order No.
Polyamide 66, screwable				
EWK 2	beige		50	**0199360000**
EWK 1	beige		50	**0206160000**
Polyamide with fibre glass, screwable				
WEW 32/1	dark beige		50	**1067600000**
Metal, screwable				
MEW 1/32	grey		20	**0445600000**

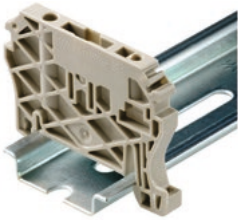
for TS 35 terminal rail



WEW 35/1



WEW 35/2



ZEW 35/2



EW 35



MEW 35/1

Type	Colour	Torque	Qty.	Order No.
Polyamide with fibre glass, screwable				
WEW 35/1	dark beige	1.2 Nm	50	**1059000000**
WEW 35/2	dark beige	0.5 Nm	50	**1061200000**
WEW 35/1 GR	grey	1.2 Nm	50	**1227890000**
WEW 35/1 SW	black	1.2 Nm	50	**1162600000**
WEW 35/2 GR	grey	0.5 Nm	100	**1859200000**
WEW 35/2 SW	black	0.5 Nm	100	**1061210000**
Polyamide 66, screwless				
ZEW 35	dark beige		20	**9540000000**
ZEW 35/2	dark beige		20	**8630740000**
ZEW 35 GR	grey		20	**1238040000**
ZEW 35/2 GR	grey		20	**1227850000**
ZEW 35/2 SW	black		20	**1162610000**
Polyamide 66, screwable				
EW 35	beige	0.5 Nm	50	**0383560000**
EW 35 GR 7032	grey		50	**0383530000**
EW 35 DB	dark beige		50	**1269050000**
Metal, screwable				
MEW 35/1	grey		10	**1805610000**
For busbar cross-section 10 x 3, 6 x 6For busbar cross-section 10 x 3, 6 x 6				

Terminal rail support



TSTW 5/M5
TSTW 5/M5 verzinkt
TSTW 6/M6

Type	Internal thread	Qty.	Order No.
TSTW 5/M5	M 5	10	0178100000
TSTW 5/M5 ZN	M 5	10	1779100000
TSTW 6/M6	M 6	10	0164000000

Terminal rail supports of type TSTW serve for angledmounting of terminal rails at an angle of 35°.

Terminal rail support



TST

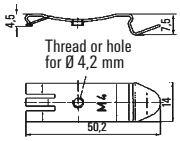
Type	Internal thread	Qty.	Order No.
TST 2/M5	M 5	10	1286600000
TST 2/M6	M 6	10	0101700000
Type		**Qty.**	**Order No.**
Mounting plates and fastening screws			
FKSC M6X8 D9/SW3		50	0642600000
Mounting screw			
FKSC M5X8 D9/SW2.5		50	0295900000
FKSC M6X12 D9/SW3		50	0353500000

The TST terminal rail support serves to install terminal rails in the frame or using a cut-out.
For the terminal rail supports, Weidmüller offers fastening screws with hexagonal socket and an especially low head, such that terminal blocks can also be mounted above the screw.

Mounting feet



FM 4



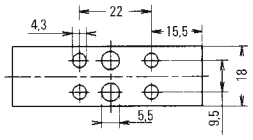
FM 5, FM 6 and FM 4.2: similar to illustrations

Type	Internal thread	Qty.	Order No.
FM 4 foot			
FM 4/TS35		40	0687900000
FM 5/TS35		40	0636800000
FM 6/TS35		40	0636900000
FM 4.2/TS35		40	1724580000

Mounting feet

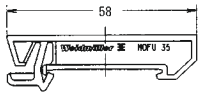


MOFU 35/LO/1



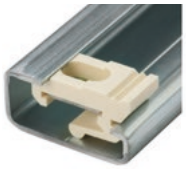


MOFU 35

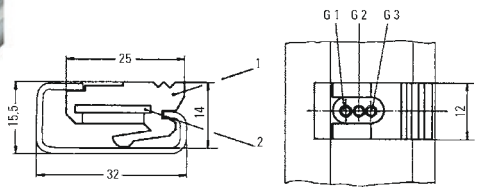


Type	Internal thread	Qty.	Order No.
MOFU 35/LO/1		20	0646260000
MOFU 35		20	0495660000
MOFU 35/LO/1 SW		20	0646210000

Mounting feet



MB



Type	Internal thread	Qty.	Order No.
MB M3/M5 CRM		20	0503500000
MB M5/M3 SW		20	0553400000
MB M6/M4 GR		20	0334900000

The sliding nuts for the TS 32 terminal rails are each fitted with two threaded holes for M3 + M5/M6 + M4/M5 + M3 screws. They serves to attach components that cannot be directly snapped onto the TS 32 and particularly to hold the smaller TS 15 top-hat rail. For example, small terminal blocks can firstly be snapped onto the TS 15 and then this rail can be attached to the TS 32 using the sliding nuts.

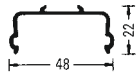
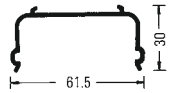
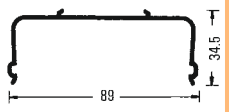
ADP

Cover strips



Material: unplasticised PVC
Supplied in 1 m lengths
Temperature limit: max. 70 °C

transparent

Type	Order No.
ADP 1 	**0485200000**
ADP 2 	**0485300000**
ADP 3 	**0485400000**
ADP 4 (1000 mm) 	**1430760000**

transparent

Type	Order No.
ADP 4 (300 mm) 	**1378160000**

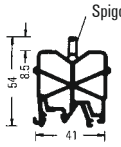
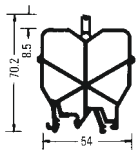
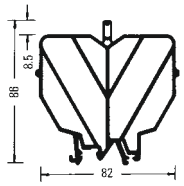
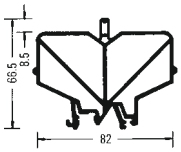
HP

Retaining plates



Material: PA 66
Thickness: 2 mm

For mounting on TS 35 / TS 32, with spigot for lead seal

Type	Order No.
HP 1 	**0485560000**
HP 2 	**0485660000**
HP 3 	**0485760000**
HP 4 	**0485860000**

Covers

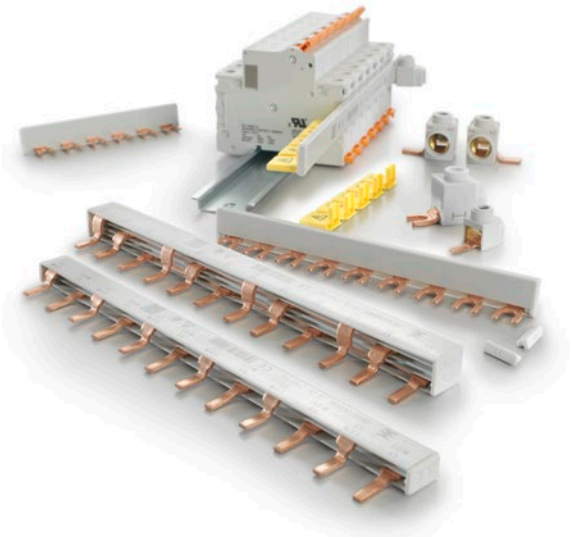
Overall dimensions	A	A	A	A	B	C
for mounting on terminal rails	TS 32	TS 35 x 7.5	TS 35 x 15	TS 15		
ADP 1, HP 1	61	56	63		49	6
ADP 2, HP 2	77	72	79		62.5	6
ADP 3, HP 3	94	89	86		92	6
ADP 3, HP 4	73.5	68.5	75.5		92	6

Marking materials	Type	Qty.	Order No.
Card with warning "lightning flash", self adhesive 20 pcs. per card	BEZ.-KARTE ADP	10	**0566700000**

Phase rails with pin and fork contact

For simple and safe potential distribution on installation devices

To avoid additional wiring work, phase rails are used for potential distribution in industrial plants and especially in the building industry. They are used for potential distribution to other components in the control cabinet such as circuit breakers, residual current circuit breakers and other installation devices. In addition to the number of poles and the cross section, a distinction is also made in terms of the type of connection, provided either with bar or fork-type.



Our promise

Our range of busbars includes versions from 1-pole to 4-pole with bar and fork type variants. Tests according DIN EN 61439-1 and DIN EN 61439-6 Stds. guarantee maximum product application safety. A corresponding range of accessories such as power supply modules, end caps and covers completes the product portfolio. Once the phase rails have been cut to length, the end caps ensure the required creepage distances in the system and guarantee finger safety in accordance with DIN EN 50274. Various feed modules facilitate handling when feeding the system.

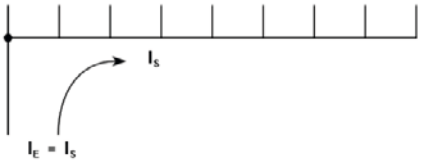
Our installation tip

- Always use end caps after cutting the busbars to length to ensure finger safety according to DIN EN 50274
- Lateral feed via the Fit 50... reduces the bending radius of the supply cable and thus simplifies wiring
- Protection cover indicate contact points not yet connected

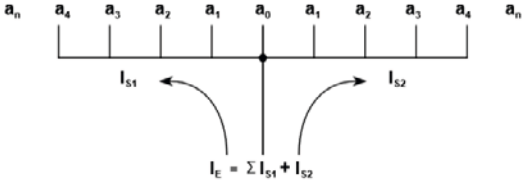
Current rating

	1-phase						2,3 and 4-phase			
Busbar cross-section in mm²	0	12	16	20	25	36	10	16	25	36
Feed-in from side maximum busbar current I_S / Phase A	36	65	80	90	100	130	63	80	100	130
Feed-in from middle maximum current per branch I_E / Phase A	100	110	130	150	180	220	100	130	180	220
maximum feed-in current I_E / Phase A										

Feed-in at start of busbar



Feeding along the busbar or central feed-in



For central supply, it has to be made sure that the sum of the outgoing currents a_0 at each bus branch is not bigger than the above-mentioned max. busbar current I_S / phase

Single phase rails for LS, LS + HI and DO
1-pin Fork (M6)

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-1L-106/10	10 mm²	63 A	6	17.80 mm	10	**2657770000**
G-1L-106/16	16 mm²	80 A	6	17.80 mm	10	**2657780000**
G-1L-160/10	10 mm²	63 A	9	17.80 mm	10	**2657790000**
G-1L-160/16	16 mm²	80 A	9	17.80 mm	10	**2657800000**
G-1L-210/10	10 mm²	63 A	12	17.80 mm	10	**2657810000**
G-1L-210/16	16 mm²	80 A	12	17.80 mm	10	**2657820000**
G-1L-268/10	10 mm²	63 A	15	17.80 mm	10	**2657830000**
G-1L-268/16	16 mm²	80 A	15	17.80 mm	10	**2657840000**
G-1L-320/10	10 mm²	63 A	18	17.80 mm	10	**2657850000**
G-1L-320/16	16 mm²	80 A	18	17.80 mm	10	**2657860000**
G-1L-1000/10	10 mm²	63 A	57	17.80 mm	10	**2657870000**
G-1L-1000/16	16 mm²	80 A	57	17.80 mm	10	**2657880000**
G-1L+9-1000/10	10 mm²	63 A	37	17.80 mm	10	**2657890000**
G-1L+9-1000/16	16 mm²	80 A	37	17.80 mm	10	**2657900000**
G-1L-27-1000/10	10 mm²	63 A	37	27.00 mm	10	**2657910000**
G-1L-27-1000/16	16 mm²	80 A	37	27.00 mm	10	**2657920000**

Accessories
End cap EK 1



Type	Qty.	Order No.
END CAP G+S 1L/10-16	50	**2658970000**

Single phase rails for LS, LS + HI and DO
1-pole Pin

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-1L-106/10	10 mm²	63 A	6	17.80 mm	10	**2657930000**
S-1L-106/16	16 mm²	80 A	6	17.80 mm	10	**2657940000**
S-1L-160/10	10 mm²	63 A	9	17.80 mm	10	**2657950000**
S-1L-160/16	16 mm²	80 A	9	17.80 mm	10	**2657960000**
S-1L-210/10	10 mm²	63 A	12	17.80 mm	10	**2657970000**
S-1L-210/16	16 mm²	80 A	12	17.80 mm	10	**2657980000**
S-1L-268/10	10 mm²	63 A	15	17.80 mm	10	**2657990000**
S-1L-268/16	16 mm²	80 A	15	17.80 mm	10	**2658000000**
S-1L-320/10	10 mm²	63 A	18	17.80 mm	10	**2658010000**
S-1L-320/16	16 mm²	80 A	18	17.80 mm	10	**2658020000**
S-1L-1000/10	10 mm²	63 A	57	17.80 mm	10	**2658030000**
S-1L-1000/16	16 mm²	80 A	57	17.80 mm	10	**2658040000**
S-1L+9-1000/10	10 mm²	63 A	37	17.80 mm	10	**2658050000**
S-1L+9-1000/16	16 mm²	80 A	37	17.80 mm	10	**2658060000**
S-1L-27-1000/10	10 mm²	63 A	37	27.00 mm	10	**2658070000**
S-1L-27-1000/16	16 mm²	80 A	37	27.00 mm	10	**2658080000**

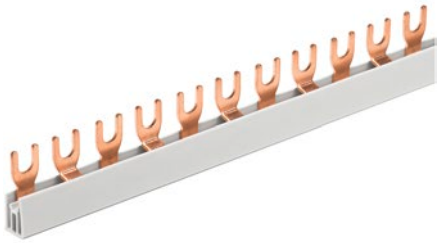
Accessories
End cap EK 1



Type	Qty.	Order No.
END CAP G+S 1L/10-16	50	**2658970000**

Single phase rails for LS, LS + HI and DO
2-pin Fork (M6)

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-2L-106/10	10 mm²	63 A	6	17.80 mm	5	**2658090000**
G-2L-106/16	16 mm²	80 A	6	17.80 mm	5	**2658100000**
G-2L-210/10	10 mm²	63 A	12	17.80 mm	5	**2658110000**
G-2L-210/16	16 mm²	80 A	12	17.80 mm	5	**2658120000**
G-2L-320/10	10 mm²	63 A	18	17.80 mm	5	**2658130000**
G-2L-320/16	16 mm²	80 A	18	17.80 mm	5	**2658140000**
G-2L-1000/10	10 mm²	63 A	56	17.80 mm	5	**2658150000**
G-2L-1000/16	16 mm²	80 A	56	17.80 mm	5	**2658160000**
G-2L+9-1000/10	10 mm²	63 A	46	17.80 mm	5	**2658170000**
G-2L+9-1000/16	16 mm²	80 A	46	17.80 mm	5	**2658180000**
G-2L-27-1000/10	10 mm²	63 A	38	27.00 mm	5	**2658190000**
G-2L-27-1000/16	16 mm²	80 A	38	27.00 mm	5	**2658200000**

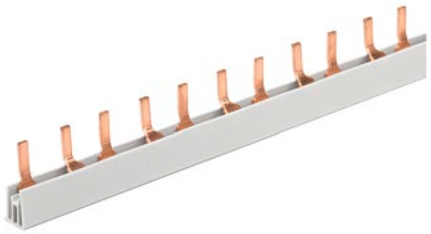
Accessories
End cap EK 1



Type	Qty.	Order No.
END CAP G+S 2L/10	10	**2658980000**
END CAP G+S 2L/16	10	**2658990000**

Single phase rails for LS, LS + HI and DO
2-pole Pin

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-2L-106/10	10 mm²	63 A	6	17.80 mm	5	**2658210000**
S-2L-106/16	16 mm²	80 A	6	17.80 mm	5	**2658220000**
S-2L-210/10	10 mm²	63 A	12	17.80 mm	5	**2658230000**
S-2L-210/16	16 mm²	80 A	12	17.80 mm	5	**2658240000**
S-2L-320/10	10 mm²	63 A	18	17.80 mm	5	**2658250000**
S-2L-320/16	16 mm²	80 A	18	17.80 mm	5	**2658260000**
S-2L-1000/10	10 mm²	63 A	56	17.80 mm	5	**2658270000**
S-2L-1000/16	16 mm²	80 A	56	17.80 mm	5	**2658280000**
S-2L+9-1000/10	10 mm²	63 A	46	17.80 mm	5	**2658290000**
S-2L+9-1000/16	16 mm²	80 A	46	17.80 mm	5	**2658300000**
S-2L-27-1000/10	10 mm²	63 A	38	27.00 mm	5	**2658310000**
S-2L-27-1000/16	16 mm²	80 A	38	27.00 mm	5	**2658320000**

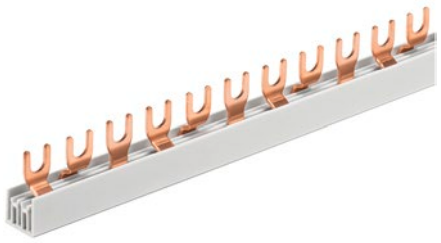
Accessories
End cap EK 1



Type	Qty.	Order No.
END CAP G+S 2L/10	10	**2658980000**
END CAP G+S 2L/16	10	**2658990000**

Single phase rails for LS, LS + HI and DO
3-pin Fork (M6)

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-3L-106/10 C	10 mm²	63 A	6	17.80 mm	5	2658330000
G-3L-106/16 C	16 mm²	80 A	6	17.80 mm	5	2658340000
G-3L-160/10 C	10 mm²	63 A	9	17.80 mm	5	2658350000
G-3L-160/16 C	16 mm²	80 A	9	17.80 mm	5	2658360000
G-3L-210/10 C	10 mm²	63 A	12	17.80 mm	5	2658370000
G-3L-210/16 C	16 mm²	80 A	12	17.80 mm	5	2658380000
G-3L-268/10 C	10 mm²	63 A	15	17.80 mm	5	2658390000
G-3L-268/16 C	16 mm²	80 A	15	17.80 mm	5	2658400000
G-3L-320/10 C	10 mm²	63 A	18	17.80 mm	5	2658410000
G-3L-320/16 C	16 mm²	80 A	18	17.80 mm	5	2658420000
G-3L-375/10 C	10 mm²	63 A	21	17.80 mm	5	2658430000
G-3L-375/16 C	16 mm²	80 A	21	17.80 mm	5	2658440000
G-3L-1000/10 C	10 mm²	63 A	57	17.80 mm	5	2658450000
G-3L-1000/16 C	16 mm²	80 A	57	17.80 mm	5	2658460000
G-3L+9-1000/10 C	10 mm²	63 A	48	17.80 mm	5	2658470000
G-3L+9-1000/16 C	16 mm²	80 A	48	17.80 mm	5	2658480000
G-3L-27-1000/10	10 mm²	63 A	36	27.00 mm	5	2658490000
G-3L-27-1000/16	16 mm²	80 A	36	27.00 mm	5	2658500000

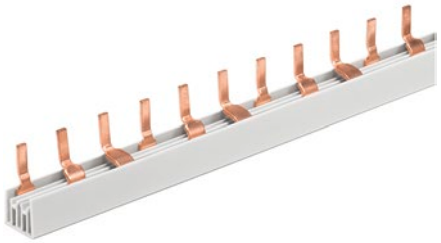
Accessories
End cap EK 1



Type	Qty.	Order No.
END CAP G+S 3L/10	10	2659000000
END CAP G+S 3L/16	10	2659600000

Single phase rails for LS, LS + HI and DO
3-pole Pin

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-3L-106/10	10 mm²	63 A	6	17.80 mm	5	**2658510000**
S-3L-106/16	16 mm²	80 A	6	17.80 mm	5	**2658520000**
S-3L-160/10	10 mm²	63 A	9	17.80 mm	5	**2658530000**
S-3L-160/16	16 mm²	80 A	9	17.80 mm	5	**2658540000**
S-3L-210/10	10 mm²	63 A	12	17.80 mm	5	**2658550000**
S-3L-210/16	16 mm²	80 A	12	17.80 mm	5	**2658560000**
S-3L-268/10	10 mm²	63 A	15	17.80 mm	5	**2658570000**
S-3L-268/16	16 mm²	80 A	15	17.80 mm	5	**2658580000**
S-3L-320/10	10 mm²	63 A	18	17.80 mm	5	**2658590000**
S-3L-320/16	16 mm²	80 A	18	17.80 mm	5	**2658600000**
S-3L-375/10	10 mm²	63 A	21	17.80 mm	5	**2658610000**
S-3L-375/16	16 mm²	80 A	21	17.80 mm	5	**2658620000**
S-3L-1000/10	10 mm²	63 A	57	17.80 mm	5	**2658630000**
S-3L-1000/16	16 mm²	80 A	57	17.80 mm	5	**2658640000**
S-3L+9-1000/10	10 mm²	63 A	48	17.80 mm	5	**2658650000**
S-3L+9-1000/16	16 mm²	80 A	48	17.80 mm	5	**2658660000**
S-3L-27-1000/10	10 mm²	63 A	36	27.00 mm	5	**2658670000**
S-3L-27-1000/16	16 mm²	80 A	36	27.00 mm	5	**2658680000**

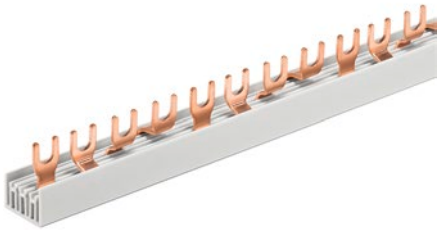
Accessories
End cap EK 1



Type	Qty.	Order No.
END CAP G+S 3L/10	10	**2659000000**
END CAP G+S 3L/16	10	**2659600000**

Single phase rails for LS, LS + HI and DO
4-pin Fork (M6)

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-4L-140/10 C	10 mm²	63 A	8	17.80 mm	5	**2658690000**
G-4L-140/16 C	16 mm²	80 A	8	17.80 mm	5	**2658700000**
G-4L-210/10 C	10 mm²	63 A	12	17.80 mm	5	**2658710000**
G-4L-210/16 C	16 mm²	80 A	12	17.80 mm	5	**2658720000**
G-4L-285/10 C	10 mm²	63 A	16	17.80 mm	5	**2658730000**
G-4L-285/16 C	16 mm²	80 A	16	17.80 mm	5	**2658740000**
G-4L-1000/10 C	10 mm²	63 A	56	17.80 mm	5	**2658750000**
G-4L-1000/16 C	16 mm²	80 A	56	17.80 mm	5	**2658760000**
G-4L+9-1000/10 C	10 mm²	63 A	36	17.80 mm	5	**2658770000**
G-4L+9-1000/16 C	16 mm²	80 A	48	17.80 mm	5	**2658780000**
G-1L+N-2L+N-3L+N-1000/10 C	10 mm²	63 A	54	17.80 mm	5	**2658790000**
G-1L+N-2L+N-3L+N-1000/16 C	16 mm²	80 A	54	17.80 mm	5	**2658800000**
G-1L+N+9-2L+N+9-3L+N+9-1000/10 C	10 mm²	63 A	42	17.80 mm	5	**2658810000**
G-1L+N+9-2L+N+9-3L+N+9-1000/16 C	16 mm²	80 A	42	17.80 mm	5	**2658820000**

Accessories
End cap EK 1

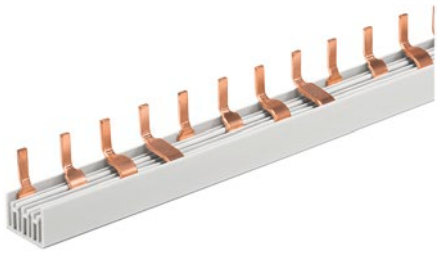


Type	Qty.	Order No.
END CAP G+S 4L/10	10	**2659010000**
END CAP G+S 4L/16	10	**2659030000**

C

Single phase rails for LS, LS + HI and DO
4-pole Pin

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-4L-140/10	10 mm²	63 A	8	17.80 mm	5	**2658830000**
S-4L-140/16	16 mm²	80 A	8	17.80 mm	5	**2658840000**
S-4L-210/10	10 mm²	63 A	12	17.80 mm	5	**2658850000**
S-4L-210/16	16 mm²	80 A	12	17.80 mm	5	**2658860000**
S-4L-285/10	10 mm²	63 A	16	17.80 mm	5	**2658870000**
S-4L-285/16	16 mm²	80 A	16	17.80 mm	5	**2658880000**
S-4L-1000/10	10 mm²	63 A	56	17.80 mm	5	**2658890000**
S-4L-1000/16	16 mm²	80 A	56	17.80 mm	5	**2658900000**
S-4L+9-1000/10	10 mm²	63 A	36	17.80 mm	5	**2658910000**
S-4L+9-1000/16	16 mm²	80 A	48	17.80 mm	5	**2658920000**

Accessories
End cap EK 1



Type	Qty.	Order No.
END CAP G+S 4L/10	10	**2659010000**
END CAP G+S 4L/16	10	**2659030000**

Feed-in terminals
Fork and Pin design

- Quick mounting
- Safe contact due to screw clamping
- No special tool required for crimping cable lugs
- Finger safe according to DIN EN 50274
- Universal feed directions (frontal/lateral)

FIT 25 GN



FIT 25 SN



FIT 50 GN



FIT 50 SN



FIT 50 GN/F



FIT 50 SN/F



Type	for wire cross-section	Version	Width / Height / Depth	Rated current	Qty.	Order No.
FIT 25 GN	25 mm²	Fork	13.5 / 34 / 19.5 mm	101 A	10	**2659050000**
FIT 25 SN	25 mm²	Pin	13.5 / 35.5 / 19.5 mm	101 A	10	**2659060000**
FIT 50 GN	50 mm²	Fork	17.8 / 39.7 / 27 mm	150 A	3	**2659070000**
FIT 50 SN	50 mm²	Pin	17.8 / 39.7 / 27 mm	150 A	3	**2659080000**
FIT 50 GN/F	50 mm²	Fork	17.8 / 39.7 / 27 mm	150 A	3	**2659090000**
FIT 50 SN/F	50 mm²	Pin	17.8 / 39.7 / 27 mm	150 A	3	**2659100000**

Accessories
Protection Cover for fork and pin suitable for busbars

- Busbasr type: 1 - 4 phase fork and pin
- Module width (step): 17.6 - 18 mm (individually detachable)



Type	Qty.	Order No.
PROTECTION COVER G+S /5	10	**2659040000**

C

Ideally equipped for every work phase
Increase efficiency and save time

The current boom in the sector is opening up new challenges for panel builders. On the one hand, the order books are full, but on the other hand, international competition is increasing, which in turn is leading to increased cost pressure. This dilemma will not be resolved by a single action alone, but rather by the consistent optimisation of the entire panel building process.

With Weidmüller, you have a strong partner by your side to support you in all work phases with perfectly coordinated solutions for your workshop. Based on many years of practical experience in panel building, we offer a comprehensive portfolio to effectively speed up your processes and increase your quality. Take a good look at our tools, markers, printers, software, automated systems and panel infrastructure for all work phases – from planning to installation and finally operation.

Planning

With our software solutions for marking (M-Print® PRO), semi-automated cable assembly (WPC tool) and configuration (WMC), you are perfectly positioned in every project phase. Thanks to interfaces to your CAE system, you benefit from optimum data consistency from planning through to commissioning.



Installation

Tools of certified premium quality, intuitive automatic stripping and crimping machines as a stand-alone or semi-automated solution, as well as a coordinated marking system enable you to save time and ensure safe assembly. At the same time, you minimise sources of error. Our end-to-end range is rounded off by versatile installation materials and infrastructure components for the panel. Besides our professional manual tools, we also offer you sets with an appropriate and efficient combination of tools and coordinating accessories, as well as a complete tool chest that has been developed in line with 5S and lean principles.

Operation

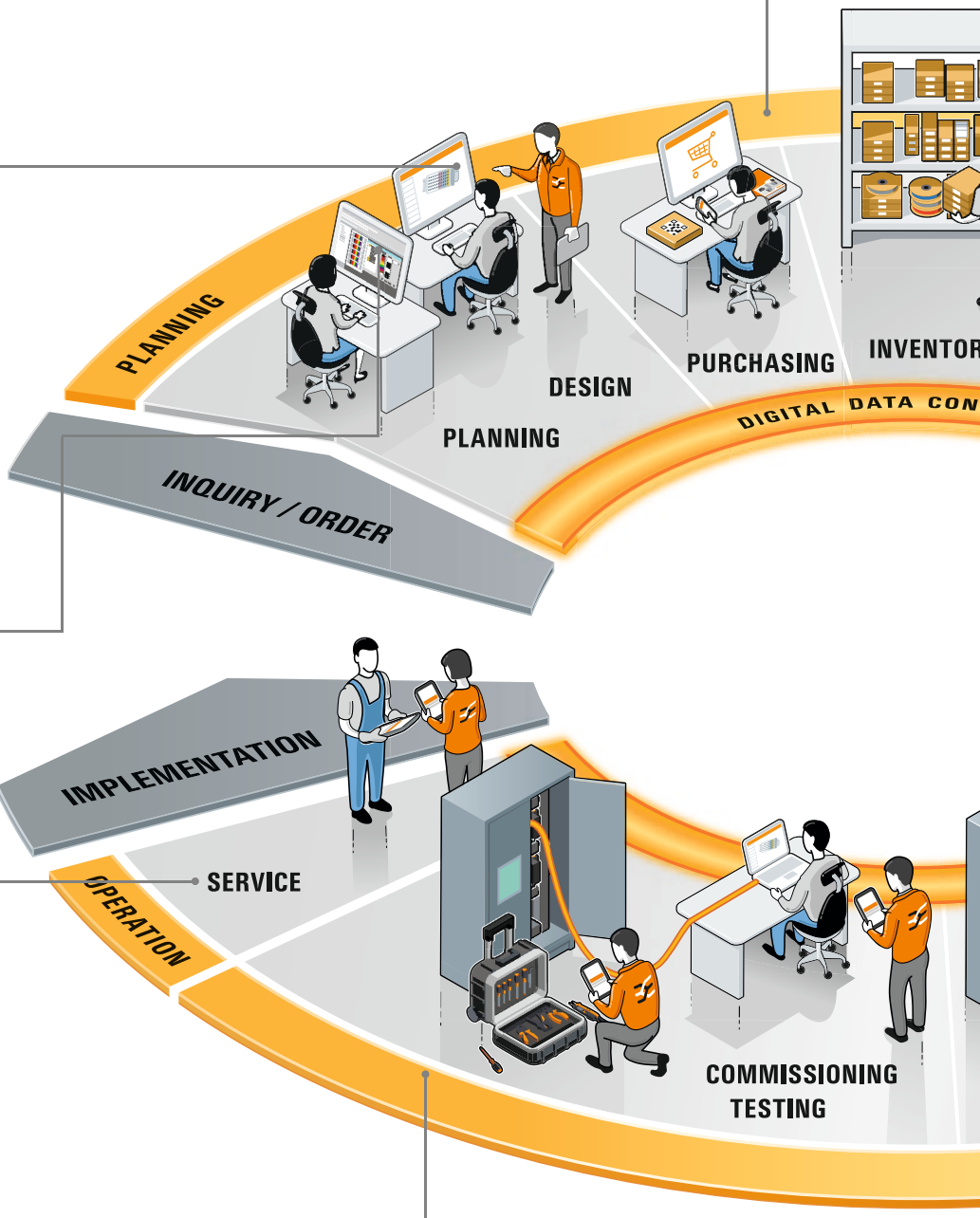
Even after commissioning your panels, the perfect interaction of products and tools from a single source offers you sustainable efficiency gains. Our extensive range of measuring and testing tools provides you with reliable support for troubleshooting. Seamless marking of all panel components as well as digital data consistency simplify and speed up maintenance work. This helps you reduce downtimes and increase the efficiency of your process steps.



Cross-process solutions from Weidmüller

Purchasing
The consistent availability of all article and order numbers also applies to our E-shop and speeds up purchasing and reordering.

Design
The Weidmüller Configurator (WMC) supports you in planning and configuring your panel, such as with assembled terminal strips. You import data sets from your eCAD system through an interface and simply transfer them back after they have been processed in the WMC.



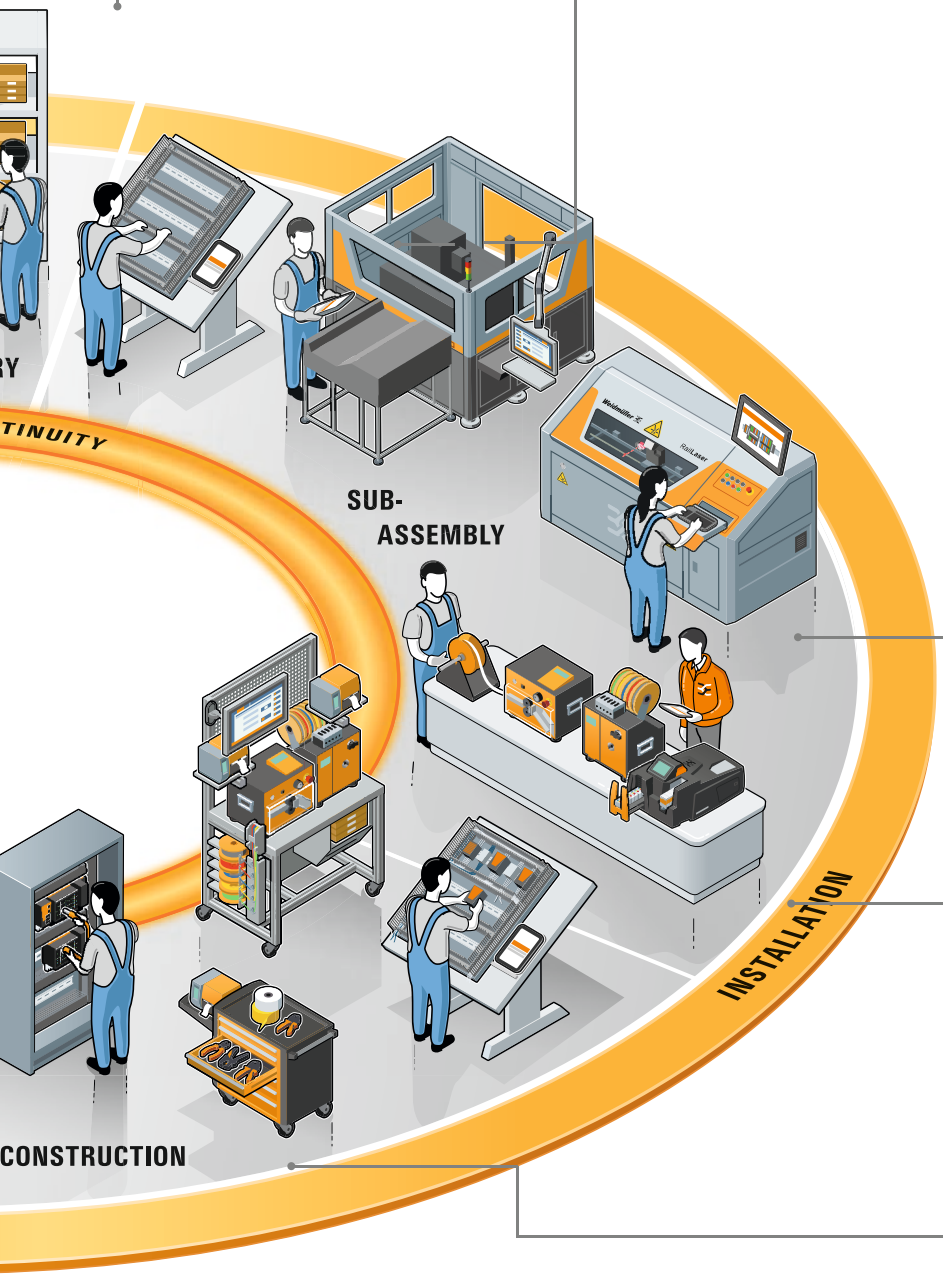
Planning
The M-Print® PRO marking software makes it much easier to plan and label markers. With the M-Print® PRO eCAD add-on, you connect your eCAD system with the marking software and perform intelligent automated component marking.

Service
You benefit from the perfect interaction of our integrated portfolio, even during and after the commissioning of your panels. Seamless marking of all panel components as well as digital data consistency simplify and speed up maintenance work. This helps you reduce downtimes and increases the efficiency of the entire application.

Mechanics and electronics in partnership:
High-quality and certified measuring and testing tools facilitate the final testing of panels and always deliver reliable measured values.

Warehousing
The markers of our MultiCard system are compatible with components such as terminal blocks, conductors, cables and devices from all manufacturers. Our MultiCard markers are available in almost 700 designs and can be individually printed. This reduces the number of marker variants that you always have to keep in stock.

Mechanical work preparation
Our comprehensive range supports you in all phases of work preparation, such as with the required panel infrastructure as well as cutting and perforation tools for the mechanical preparation of your panel components.



Electrical work preparation
Our automated systems carry out repetitive tasks for you, such as the cutting to length, stripping and crimping of cables. The marking software M-Print® PRO directly controls printers such as the PrintJet CONNECT or the THM MultiMark and ensures that the right marker is printed for every component and every cable.
As stand-alone solutions or as a semi-automated Wire Processing Center (WPC) with your own planning software – our systems offer you maximum application flexibility.

Workshop/design
Error sources are reduced in installation and commissioning thanks to the clear and transparent marking of all cables and components. Weidmüller's manual tools for cutting, stripping, crimping, testing and screwing offer you a great deal of efficiency through precision, high quality and ergonomic design. The semi-automated Wire Processing Center (WPC) enables individual process optimisation with significantly increased efficiency.

Commissioning/testing
Your safety is the top priority when it comes to commissioning electrical systems and devices. Weidmüller's voltage and continuity testers comply with all relevant standards and you have peace of mind that your tests are performed in accordance with the regulations.

Systemised marking
For optimised processes

Your primary expectation of a marking system is that it clearly shows how your components are configured. This includes an accurate printed image, ease of use and usability in an industrial environment. You need data entry and administration software to provide optimum support. During marker output, the speed should be adaptable to your needs. In order to provide the right marking solution for all products at all time, we have built up a unique overall system of markers, printers and software. The tailored range of products ensures precise identification throughout the whole panel – or, for short, systemised marking.

Our promise
Our harmonised system of software, markers and printers allows you to optimise processes – from entering your data to the finished marker for the individual panel configuration. You have a clear overview to allow clear identification of panel components.

More detailed information on our marking system is available at **www.weidmueller.com/marking**

Order data is available in our online catalogue.

Flexible printing on plastic and metal markers with inkjet printer
The MultiCard concept is our standard for modern, innovative identification and marking systems. With over 270 variants, it offers neutral plastic markers in a standardised card format for all Weidmüller terminal blocks and terminal blocks from other manufacturers. We also offer the appropriate marker options for the simple and quick connection of conductors, cables and devices.

Use our PrintJet CONNECT inkjet printer for quick clear labelling of large volumes. Its precise colouring and thermal fixing ensure continuous and robust identification. MetalliCard formats made of aluminium and stainless steel can also be printed just as securely. Its wide range of applications and flexibility allows this printer to provide standard-compliant and efficient marking. Depending on the requirements, it is operated either with our user-friendly planning software M-Print® PRO or as a standalone solution with saved templates using a USB stick.



Endless marking with MultiMark and the thermo-transfer printer

The MultiMark terminal markers are endless material with a special stamped pattern. This means they can be rotated easily, which is ideal for compensating tolerances in long terminal blocks. The MultiMark formats are printed using the compact, modular THM MultiMark thermo-transfer printer which offers high levels of flexibility. The optional cutting and perforation option enables the endless material to be cut to any length. This makes cutting and assigning the relevant labels very simple. The THM MultiMark is also the ideal printer when it comes to printing fabric and polyester labels, shrink sleeves and PLC labels. The major benefit: you can make all the labels in and around the panel using just one printer.

Highlight

The THM MultiMark thermo-transfer printer is a compact all-rounder with an intuitive touch-screen display and status indicator, making it easy to operate in 22 languages. Its compact design and weight of just 3.5 kg means it can also be easily used outside the workshop.

Made for professional work

One-stop shopping for quality tools

You need them for wiring and testing, for commissioning and maintenance – tools are a constant companion when it comes to panel building. They need to sit well in the hand and guarantee consistently high workmanship even after many working cycles. Our quality tools are a choice that will bring you happiness for a long time. Our range includes proficient manual tools for cutting, stripping, crimping, testing and screwing, as well as machines and accessories. From installation of the terminal blocks to installation of delicate electronic components, you can find the right tool for all applications from us.

Our promise
Weidmüller tools were developed with the aim of making your work easier, optimising working processes and thus increasing productivity in panel building. The perfect coordination of terminal blocks, wire-end ferrules and conductors guarantees the best possible working results.

Detailed information on our range of tools is available at
www.weidmueller.com/tools

Order data is available in our online catalogue.

The right quality tool for every stage of the process

Cutting
With our robust cutting tools, you can rely on smooth, straight cuts with no deformation of the conductor. Whether you need to cut copper or aluminium cables with small or large cross-sections, the mechanical drive and specific cutting shape allow really ergonomic work.

Stripping
Our precision tools specialise in stripping and sheath stripping of cables to guarantee reliable results. The wide product range is perfectly tailored to insulation and the wire cross-section and guarantees perfect wiring for all sorts of cable types.

Crimping
Our selection of crimping tools fits a wide range of conductors, wire-end ferrules and contacts. This ensures optimum processing quality in all applications. The result is stable, long-lasting connections which meet all relevant international standards and regulations.

Testing and measuring
From voltage testers through clamp-on meters, use our complete range of testing and measuring instruments for precise results. Besides the highest possible reliability for optimum application protection, the devices provide impressively easy handling.

Pliers
Our range of ESD pliers meets all national and international testing standards. The special material of the handles prevents electrostatic discharge. And the ergonomic design of the pliers allows fatigue-free work.



Screwing
High torques and optimum transfer of axial force – our manual and battery-powered torque screwdrivers enable exact, effective work with high levels of repeat accuracy. They are available in four sizes to fit all hands and requirements.

Automatic machines
Automating individual work stages such as cutting to length, stripping and crimping helps increase efficiency. With our robust, user-friendly machines for cable processing, you reduce installation times and minimise production costs.

Wire-end ferrules and cable connectors
With our wire-end ferrules and insulated cable connectors, you guarantee safe connections in the long term. We provide these accessories to match our components and tools in various versions and colour alternatives.

Highlight

Real added value for you: you can have your tools regularly tested and maintained in our in-house tool certification office. This allows you to guarantee consistent functionality and quality.

For every industry and every application

Klippon® Protect enclosure system gives safety and protection to connection solutions

Enclosures fulfil an important safety function and prove their worth every day, even under the toughest of conditions. All industries have their own specific requirements in terms of enclosure technology – from machine construction through transport and energy engineering to the process industry. With Klippon® Protect, you can choose from a wide range of universal and application-specific enclosures. These products cover all relevant approvals required for use in industrial and explosive risk zones. They are flexible enough for optimal adaptation to your requirements.

Our promise

The flexible Klippon® Protect enclosure system is the perfect addition to our Klippon® Connect range of terminal blocks. You can rely on our assembled enclosures to offer a custom fit to your requirements and provide excellent protection. Klippon® Services completes our products range with optimal support for your processes.

More detailed information on our wide range of Klippon® Protect enclosure systems can be found at **www.weidmueller.com/klipponprotect**

Universal range

The universal enclosures Klippon® Protect are made of stainless steel, aluminium, or plastic. Either one guarantees excellent protection for your assembly. With these robust enclosures, you can implement various field applications to suit your requirements. The matching system accessories enable simple integration, expansion, and customisation.

Application range

Our Klippon® Protect application range provides solutions for monitoring and safety, measurement and control technology, and power distribution. These application solutions are based on high quality and comprehensive approvals for explosive risk zones.

You can obtain distribution boxes, terminal boxes or command and signalling devices as well from a single source in a consistent enclosure design for maximal safety, reliable functionality and low follow-up costs for maintenance, replacement and storage.



Klippon® Services
Klippon® Services combines consultancy, planning, application expertise and industry know-how. You benefit from our one-stop production services. Thereby you will reduce costs, increase efficiency, and simplify quality management. We guarantee quick, qualityfocused production and order-based availability. We deliver even individually assembled products anywhere within a short time.

Configuration and ordering are simple with the Weidmüller Configurator
www.weidmueller.de/wmc

Fast Delivery

Highlight

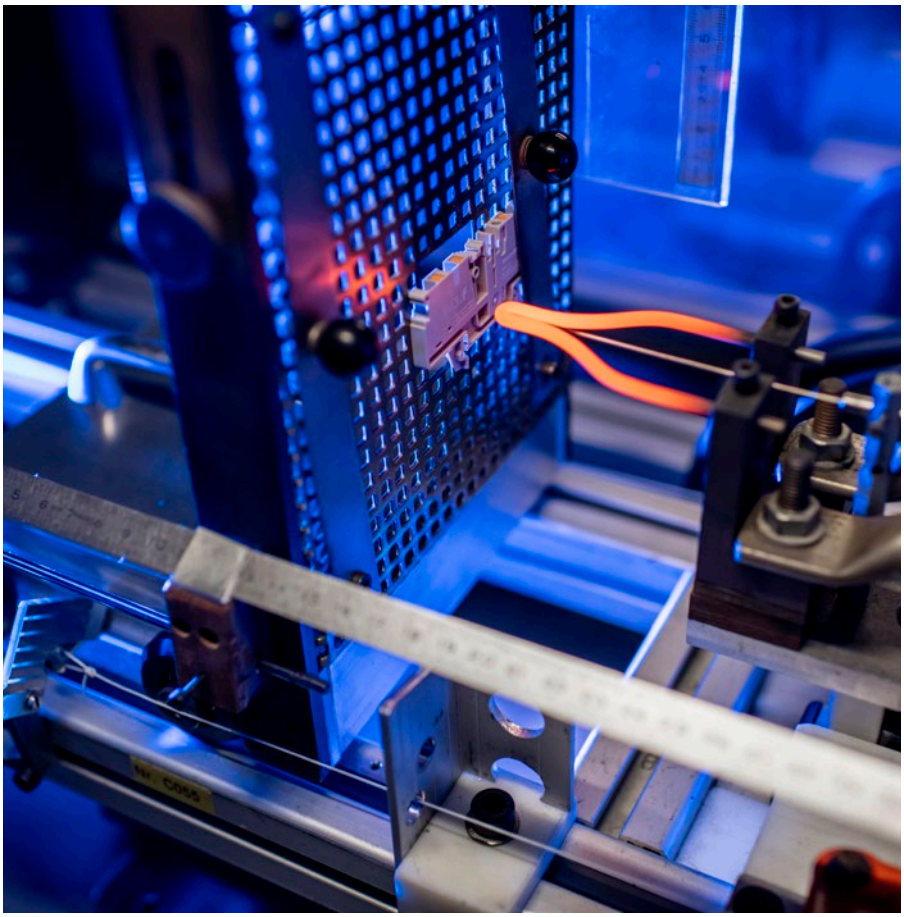
Our Fast Delivery Service is a real highlight of our service range that offers to easily configure and request assembled terminal strips, empty or assembled enclosures with the Weidmüller Configurator WMC. The offer is provided within just a few minutes including order numbers for direct ordering - available 24/7. An order will be dispatched from Germany after just four days when a certain service level is selected. Order quantities start at one.

Materials

You can always rely on the high quality of the metals and insulating materials we use: they are subject to strict monitoring through a DIN EN ISO 9001 certified quality management system.

A high level of quality assurance is essential for us to always offer you first grade products. Starting with the quality management of our products based on ISO 9000 ff. through to permanent monitoring by independent institutes who monitor our production facilities, as well as quality management and our in-house laboratory. You therefore benefit from maximum reliability and durability!

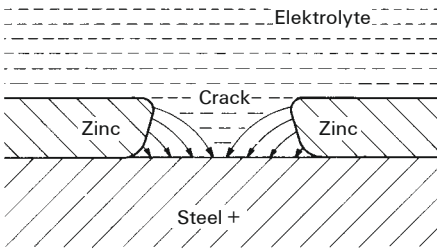
Accredited test laboratory
Reliability of technical data is of the highest priority for the user. Accreditation in accordance with DIN EN ISO/IEC 17025 through an external, independent institution (Deutsche Akkreditierungsstelle für Technik GmbH) attests to the competence of the laboratory to perform tests on terminal blocks, connectors, electronic equipment, including EMC and environmental testing. So you can be sure our products can be used everywhere – worldwide.



Metals

The metals we use are selected and processed with their surfaces treated according to the latest technical knowledge. In addition, our welding area is certified in accordance with DIN EN ISO 3834-3 for fusion welding of metal-based materials.

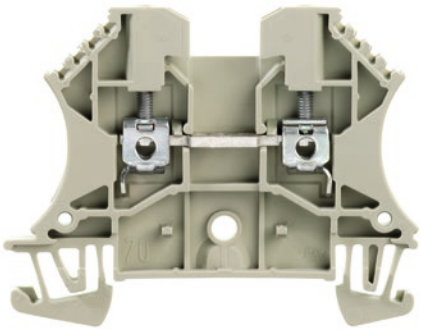
Steels
Steel ensures mechanical stability for all our connection systems. In order to permanently maintain the contact force, the steel parts are electrogalvanised and provided with additional passivation by means of a chromate layer. The advantage of surface protection with zinc lies in the high corrosion protection effect. It is also effective for a long time, even after the zinc coating has been partially damaged by scratches or pores. Furthermore, in the presence of an electrolyte, zinc acts as a cathode (i.e. negative) with respect to steel. The metal ions of the zinc migrate to the steel. This protects the underlying material from attack.



The surface protection ensures a high contact force, even in the presence of cracks

Conductive substances
The current-carrying materials copper, brass and bronze are characterised by high conductivity plus good mechanical properties. The surfaces are usually coated with tin. Besides corrosion protection, this ensures high contactability, which leads to low contact resistance. Solder connections also have a tin layer. In order to guarantee long-term solderability, an additional nickel coating is applied to the brass parts as a diffusion barrier. The nickel coating provides effective protection against outward diffusion of zinc atoms from the brass.

Connections proven a million times
Two materials are perfectly suited for our connection systems: steel provides for mechanical stability and copper for electrical conductivity. The terminal units consist of hardened steel – for very high contactability. The current bars are made of copper and ensure low voltage drops.



Whether rigid or flexible conductors, with or without wire-end ferrules – the right copper conductor is available for every connection system

Insulating materials

Insulating materials tailored to the respective application ensure that our products optimally meet your requirements. In the selection of materials, we take care in ensuring high environmental compatibility: the insulating materials we use are free from hazardous substances such as cadmium and colour pigments based on heavy metals, as well as substances forming dioxins and furans.

Material		Ceramic	Duroplasts	
	Plastic/abbreviation	**Ceramic**	**Gemin KrG**	**Epoxy resin (EP)**
		Ceramic is an excellent material for electronics because it meets all requirements. Ceramic is heat resistant, water repellent, spark resistant and certified against leakage current. Thanks to its high mechanical strength, low loss factor and high heat resistance, the material has a high chemical stability and is favoured because of its minimal wear.	Duroplasts have high dimensional stability, low water absorption, extremely good tracking resistance and outstanding fire resistance. The continuous operating temperature is higher than that of thermoplastics. The deformation resistance of the duroplasts under elevated thermal load is better than for thermoplastics. A disadvantage compared with thermoplastics is the low flexibility of duroplasts.	
		Insulating material	Melamine resin moulding compound MF type 150 (DIN EN ISO 14 528) inorganic filler	Epoxy resin with inorganic filler
Colour		**white**	**medium yellow**	**black**
Description				
		• Top continuous operating temperature • High fire resistance • Liquid-repellent • High tracking resistance • Inherent flame protection	• High constant operating temperature • High fire resistance • High tracking resistance • Inherent flame protection • Halogen-free flame retardant material	• Very good electrical properties • Very high constant operating temperature • Resistant against high-energy radiation • Halogen and phosphorous-free flame retardant
Properties				
Volume resistance acc. to IEC 60093	Ω x cm	-	10^{11}	10^{14}
Dielectric strength acc. to IEC 60243-1	kV/mm	> 10	10	160
Tracking resistance (A) acc. to IEC 60112	CTI	≥ 600	≥ 600	≥ 600
Upper max. permissible limit temperature	°C	250	130	160
Lower max. permissible limit temperature (static)	°C	-60	-60	-60
Flammability acc. to UL 94		V-0 (5 V-B)	V-0 (5 V-A)	V-0
Flammability characteristics acc. to German railway standard				

Thermoplastics

Wemid	Polyamide (PA)	Polyamide (PAGF)	Polybutylene terephtalate (PBT)	Polycarbonate (PC)
Wemid is a modified thermoplastic which has properties tailored to meet the requirements of our line connectors. Advantages over PA are the improved fire protection and the higher continuous operating temperature. Wemid meets the strict requirements for use in railway vehicles acc. to NF F 16-101.	**Polyamide (PA)** is one of the most widely used engineering plastics. The advantages of this substance are its good electrical and mechanical properties, its flexibility and lack of fracture susceptibility. In addition, PA offers good fire resistance on account of its chemical structure, even without the addition of flame retardants.	**Glass-fibre reinforced polyamide (PAGF)** offers outstanding dimensional stability and very good mechanical properties. This makes a difference when used as an end bracket. As compared to non-reinforced PA, this material has flammability rating HB according to UL 94.	**Thermoplastic polyester (PBT)** offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.	
Special Weidmüller insulating material	Insulating material	Insulating material	Depending on application with or without glass fibre reinforcement	Depending on application with or without glass fibre reinforcement
dark beige	**beige**	**beige**	**orange**	**grey**
• Higher continuous operating temperature • Improved fire resistance • Halogen- and phosphorous-free flame retardant • Low smoke produced in the event of fire • Permitted for use in railway applications acc. to NF F 16-101	• Flexible, lack of fracture susceptibility • Good electrical and mechanical characteristics • Self-extinguishing characteristic • Halogen-free flame retardant material	• Excellent dimensional stability • Very good mechanical characteristics • Halogen-free flame retardant material	• High dimensional stability • Good electrical and mechanical characteristics • Flame retardant that does not form dioxins or furans	• High dimensional stability • High continuous operating temperature • High electrical insulation properties • Halogen-free flame retardant material
10^{12}	10^{12}	10^{12}	10^{13}	10^{16}
25	30	30	28	≥ 30
600	600	500	200	≥ 175
130	100	100	115 / 130	115 / 125
–60	–50	–50	–50	–50
V-0	V-2	HB	V-0	V-2 / V-0
I2 / F2 *)				I2 / F2
*) also certified to LUL E 1042				

Relevant standards – an overview

Standards have the status of a recommendation and are not legally binding. They serve to ensure the safety of systems and represent the acknowledged state of the art. We therefore always recommend compliance with the contents – irrespective of agreements and customer requirements.

The Low Voltage Directive IEC/EN 61439

Since November 2014, IEC/EN 61439 has replaced the previously applicable standard IEC/EN 60439 for low-voltage switchgear and controlgear assemblies. It comprises seven parts:

1. General rules for low-voltage switchgear and controlgear assemblies (SCA)
2. Power switchgear and controlgear assemblies (PSC)
3. Distribution boards
4. Assemblies for construction sites
5. Cable distribution cabinets
6. Busbar distribution systems
7. Assemblies for marinas, camping sites, electric vehicles charging stations (preliminary standard)

In order to confirm compliance with IEC/EN 61439, it is important that you always refer to Part 1 and one of the following parts. The standard is addressed to every manufacturer and operator of switchgear and controlgear assemblies (SCA) up to 1,000 V AC and 1,500 V DC. Irrespective of whether you assemble the SCA stationary or mobile, with or without enclosure system.

The low-voltage switchgear standard IEC/EN 60947-1

This standard applies for industrial low-voltage switchgear assemblies used in circuits up to 1,000 V AC or 1,500 V DC. It defines the general rules and requirements for low-voltage switchgear assemblies. This includes, for example, the definition, characteristic features, information to be supplied, normal conditions for operation, installation and transport as well as requirements for the construction and verification of characteristic features and behaviour.

Interaction between the standards

IEC/EN 61439 for switchgear and controlgear assemblies

With the withdrawal of the previous version on 23 September 2014, the DIN EN 61439: 20 0-06 standard for "Low-voltage switchgear and controlgear assemblies" – Part 1: General rules became binding for the switchgear and controlgear assemblies defined. This standard includes a series of changes that you have to consider as a switchgear manufacturer. However, these changes have no direct influence on the components, such as terminal blocks, which have to comply with the relevant product standard.

The importance of DIN EN 61439 for components

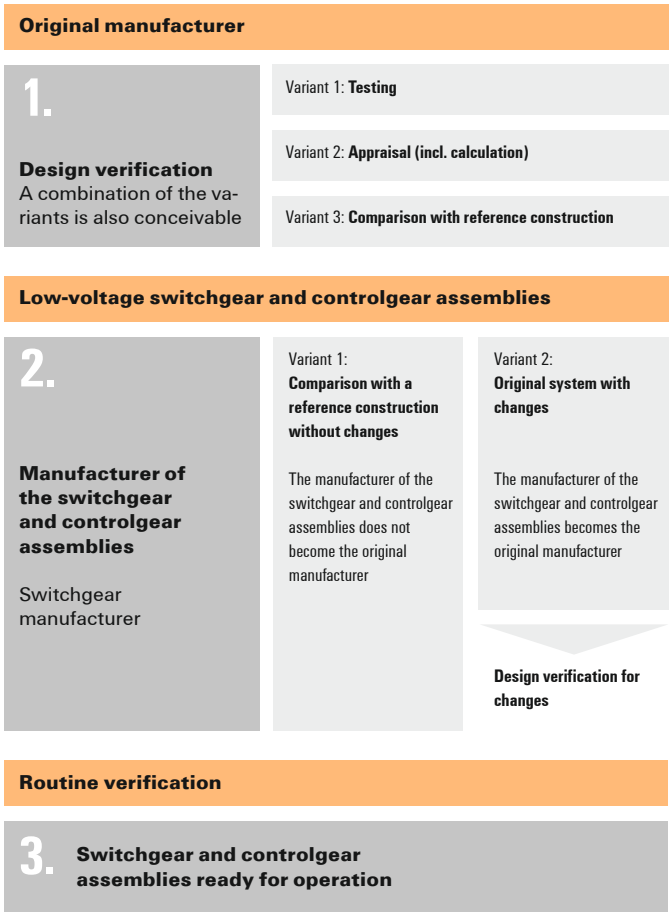
Components that meet the requirements of the applicable product standard are suitable for direct use in switchgear systems. They must, however, take the definitions of standard series DIN EN 61439 into consideration.

The properties required from DIN EN 61439-1 are covered by the product standard for terminal blocks EN 60947-7-1(2, 3). As an aid for the required design verification for switchgear and controlgear assemblies, the following table provides you with further information on terminal blocks. Additional design verification is not required for individual items of equipment or components.

Summarised

- IEC/EN 61439 is a new series of standards for the construction of switchgear and controlgear systems
- With the design verification, you as the manufacturer provide evidence for the suitability of the system
- You still confirm conformity with the standard by signing the EC Declaration of Conformity

Low-voltage switchgear and controlgear assembly



Guidelines for the construction of a switchgear and controlgear assemblies in accordance with the standard

Checklist design verification according to IEC/EN 61439

Design verification for terminal blocks and their accessories

Nr.	Characteristics to be proved	Section	Adaptability for terminal blocks
1	Strength of material and parts:	10.2	
	• Corrosion resistance	10.2.2	The requirements refer exclusively to cabinets for switchgear.
	properties of insulation material:	10.2.3	Terminal blocks are designated for the installation in appropriate cabinets.
	• Thermal stability	10.2.3.1	
	• Resilience to extreme heat and fire due to internal electrical effects	10.2.3.2	The requirements refer exclusively to parts of the switchgear and controlgear assembly. Inserted components like terminal blocks are not affected.
	• Resistance to UV radiation	10.2.4	Terminal blocks are designated for the installation in cabinets, thus not relevant
	• Lifting	10.2.5	Terminal blocks are designated for the installation in cabinets, thus not relevant
	• Impact test	10.2.6	Terminal blocks are designated for the installation in cabinets, thus not relevant
	• Marking	10.2.7	Terminal blocks bear the inscriptions, like it is determined in section 5 of the product standard.
2	Degree of protection and enclosures	10.3	Terminal blocks are designated for the installation in cabinets, thus not relevant
3	Clearances	10.4	The required clearances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).
4	Creepage distances	10.4	The required creepage distances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).
5	• Protection against electric shock and integrity of protective circuits	10.5	Covered by the type test for modular PE conductor terminals according to EN 60947-7-2. The quality and consistency of the PE conductor connection has to be verified by resistance
	• Effective continuity between the exposed conductive parts of the assembly and the protective circuit	10.5.2	measurement at the end use.
	• Short-circuit withstand strength of the protective circuit	10.5.3	Not relevant, has to be judged in the end use. PE conductor terminals are subjected to a test of short-time withstand current in the context of the type test according to EN 60947-7-2.
6	Installation of equipment	10.6	Installation and tight fit of terminal blocks is secured by the requirements and relevant tests according to the product standard.
7	Internal circuits and connections	10.7	Not relevant, has to be judged in the end use for terminal blocks.
8	Connections for conductors inserted from outside	10.8	Secured by selection of the terminal block as well as its type test according to EN 60947-7-1(2). The final assessment has to be made in the end use.
9	Insulation properties:	10.9	Tests to the insulation properties are part of the dimensioning of type tested terminal blocks
	• Operating frequency dielectric strength	10.9.2	according to EN 60947-7-1(2).
	• Surge voltage strength	10.9.3	The verification for the switchgear and controlgear assembly takes place in the end use for the terminal blocks.
10	Temperature rise limits	10.10	The rated values for terminal blocks according to EN 60947-1(2 ,3) can be used for the dimensioning of the temperature rise limits. The verification has to be provided for the respective application, e.g. by measurement or calculation. The calculation of the terminal block's power dissipation can take place in the application by means of the electrical resistance as a function of current: $P_{loss} = R_{max} * I^2$
			Following maximum resistances per electrical potential according to EN 60947-7-1(2, 3) subject to the cross section for the terminal block are permitted:

Cross section/mm²	1.5	2.5	4	6	10	16	25	35
Electrical resistance/mΩ	1.83	1.33	1.00	0.78	0.56	0.42	0.32	0.26

Cross section/mm²	50	70	95	120	150	185	240	300
Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06

11	Short-circuit withstand strength	10.11	**For cross sections up to 35 mm²** In sectors after current-limiting (5ms) protections devices <100 A (fort Icp <10 kA) At an unaffected short-circuit current of the grid Icp <=10 kA (in front of the switchgear), a forward current ID with maximum 17 kA will arise with an upstream protection device. According to the section 10.11.2 of EN 61439-1, the switchgear manufacturer does not have to provide evidence in this case. This requirement is fulfilled by protection devices up to 100 A equipment (application of up to 35 mm² terminal blocks). **For cross sections from 50 mm²** In sectors after current-limiting (5 ms) protection devices <=630 A (Icp >10 kA) At an unaffected short-circuit current of the grid Icp >10 kA (in front of the switchgear), a forward current ID will flow of up to the period of 5 ms with an upstream protection device. The switchgear manufacturer has to provide evidence for the maximum forward current ID by declaration of the terminal block's Ipk (surge current strength, which the terminal block is able to conduct without being destroyed).
12	Electromagnetic compatibility	10.12	Not relevant, because terminal blocks are seen as passive components according to the product standard EN 60947-7-1(2, 3).
13	Mechanical operation	10.13	Not relevant

Technical requirements from the standards

Rated cross-section
The rated cross-section of a terminal block is the value of the connectable wire cross-section, as specified by the manufacturer. This serves as a reference for certain thermal, mechanical and electrical requirements. The rated cross-section is selected from the following standard cross-sections: 0.2 – 0.5 – 0.75 – 1.0 – 1.5 – 2.5 – 4.0 – 6.0 – 10 – 16 – 25 – 35 – 50 – 70 – 95 – 120 – 150 – 240 – 300 mm^2.

Terminal blocks have a rated connection capacity that is at least two levels lower than the rated cross-section. The conductors can be solid, stranded or flexible, possibly with conductor end pretreatment. The verification of the rated cross-section is performed with gauges according to IEC 60947-1.

Rated current IEC 60947-7-1
Test currents are assigned to the rated cross-sections according to IEC 60947-7-1. These rated currents cause no impermissible heat transfer to the terminal:

mm^2	1.5	2.5	4.0	6.0
A	17.5	24	32	41

mm^2	10	16	25	35
A	57	76	101	125

mm^2	50	70	95	120
A	150	192	232	269

mm^2	150	185	240	300
A	309	353	415	520

Conventional free-air thermal current (Ith)
The conventional thermal current in free air (Ith) is the highest test current for heating tests of unenclosed devices (see 4.3.2.1 of IEC 60947-1.) This applies exclusively to terminal blocks with multiple connection levels (multi-tier terminals) and to test-disconnect terminal blocks for which current reduction is permissible.

Rated voltage IEC 60947-7-1
The rated voltage of a terminal block is the rated insulation voltage to which the insulation tests and creepage distances relate. It is determined analogously to IEC 60664-1.

Rated impulse withstand voltage IEC 60947-7-1
Rated impulse withstand voltage is the peak value of a surge voltage with which the terminal blocks can be subjected. The clearance distances in IEC 60947-1 and IEC 60664-1 are related to it.

Pollution severity IEC 60947-7-1
The pollution severity defines the influence of solid, liquid or gaseous foreign matter, which may reduce the dielectric strength or the specific surface resistance. Pollution severity 3 has been specified for terminal blocks for industrial applications: conductive contamination occurs on dry, non-conductive contamination which becomes conductive as moisture condensation may also occur. The minimum air clearance measurement is defined in IEC 60947-7-1 in conjunction with the rated surge voltage.

Operating conditions
The terminal blocks can be operated under the following normal conditions:
- Ambient temperature –5 °C to +40 °C, mean value 24 h +35 °C
- Altitude up to 2000 m above sea level
- Relative humidity: 50 % at +40 °C, 90 % at +20 °C

Testing the contact security

Construction requirements
IEC 60947-7-1 requires that clamping points must ensure a reliable mechanical and electrical connection with permanent contact.

Tests
Standardised tests offer you the assurance that wired connections comply with the required conditions. IEC 60947-7-1 stipulates a series of tests for wire connections in terminal blocks. One or more terminals of a particular type are tested for agreement with certain limit values. These include:

- Insulation test
- Evidence of the voltage drop
- Testing of the short-time withstand current capacity
- Aging testing for terminal blocks with tension clamp, insulation displacement and PUSH IN connection technology

Special testing
Beyond the stipulated scope of type testing, further tests can be performed at your own discretion or in agreement with the user.

Contact security
The high level of contact security and reliability are verified with our systems using various tests (see table).



1 Type testing acc. to IEC 60947-7-1

2 Stricter Weidmüller tests
2.1 Mechanical tests:
- Vibration testing to Weidmüller requirements
- Natural resonance characteristics acc. to IEC 60068-2-6
- Shock and vibration testing acc. to BV 0440/... and BV 0430/

2.2 Environmental testing:
- Cold testing acc. to EN 60068-2-1
- Damp heat (steady state) acc. to IEC 60512-6 test 11c
- Damp heat (steady state) acc. to IEC 60068-2-30
- Damp heat (cyclic) acc. to IEC 60068-2-30
- Salt spray testing acc. to IEC 60068-2-11
- Sulphur dioxide SO2 acc. to IEC 60068-2-42
- Hydrogen sulphide H2S acc. to IEC 60068-2-43
- Gas tightness acc. to IEC 605 12_6_PR 11n

3 National and international approvals

4 Practice, i.e. the use of systems in harsh areas of application in industry, e.g. Ex applications

Protection against inadvertent, direct touching, of hazardous live parts

Back of hand safety according to EN 61032
Back of hand safety is satisfied if, according to EN 61032, a sphere of diameter 50 (+0.01) mm with a force of 50 (±5) N does not touch any hazardous parts.

Actuation conditions according to IEC 60947-7-3
IEC 60947-7-3 paragraph 7.1.8 specifies that fuse terminal blocks must be constructed in such a way that live parts cannot be touched. Finger safety for live parts of the cartridge fuse must be maintained while the cartridge fuse is replaced. If it is necessary to maintain protection against electric shock, label with “line-load” or arrows that indicate the energy flow direction.

In general:
Not all installation components have to be configured touch-safe, as in the example of terminal blocks.
A touch-safe construction is only required if these components are arranged in a direct radius of 30 mm around the operation elements and the system cannot be insulated (exception allowed on the basis of the construction using accessories in each case).

Terminal blocks in the Ex environment

Harsh industrial environments and explosive risk zones, such as in the oil and gas industry, make extreme demands on safety, robustness and quality of products and devices. Numerous standards describe what has to be considered in Ex environments. They serve as the basis for extensive approvals.



Issuing of the type examination certificate
Notified bodies issue you EC/EU type examination certificates in accordance with EN 60079-0/60079-7 and the ATEX Directive. EU type examination certificates in accordance with Directive 94/9/EC are also recognised under the new Directive 2014/34/EU. By issuing the Production Quality Assurance Notification, a notified body confirms that the requirements of the ATEX Directive are fulfilled according to Annexes IV and VII.

Confirmed according to the European Ex Directive
Basic principles
The basic provisions for terminal blocks and PE terminal blocks are IEC 60947-7-1 (EN 60 947-7-1 / VDE 0611T.1) and IEC 60 947-7-2 (EN 60 947-7-2 / VDE 0611T.3).
EN 60079-0 is applicable for use in explosive risk zones and in case of increased safety “e” EN 60079-7.



Terminal blocks in the Ex environment
According to EN 60079-0, Ex terminal blocks are "Ex components". By definition, these are components required for the safe operation of devices and protection systems, without fulfilling an autonomous function, however. They are approved for explosion protection type "e" and, according to the European ATEX Directive, they are not identified with the % mark.

Electrical data
The values of current-carrying capacity specified in the catalogue relate to an ambient temperature of 40 °C. On loading with a rated current +10 %, the current bar of the terminal blocks heats up by a maximum of 40 K. Taking a further safety margin from EN 60079-0 into account, the following definitions arise:

Temperature class	Ambient temperature
General	–60 to +110 °C
T6	–60 to +40 °C
T5	–60 to +55 °C
T4	–60 to +70 °C

The permitted nominal current must be reduced accordingly if the actual ambient temperature is higher. The continuous operating temperature according to EN 60079-0 for the material KrG is 130 °C, for Wemid 130 °C and for the material PA 80 °C.

Identification

ATEX-directive: Ⓔx II 2 GD
Ⓔx Ex equipment
II 2-G device group II category 2 (Zone 1 equipment)
II 2-D device group II category 2 (Zone 21 equipment)
EN 60079-7: Ex e II
Ex Explosion protection
e Increased safety
II Equipment group
DEMKO 14ATEX1338U (example)
DEMKO Notified body
ATEX Conformity with ATEX Directive
U Component

Accessories
The accessories you can use is listed in the Ex certificates. To adhere to the creepage and clearance distances for Ex e, use terminations and partition plates.

Design and accessories for Ex i
Terminal blocks for intrinsically-safe circuits ("i") are passive components. Therefore, for use in intrinsically-safe circuits, you do not need a type examination certificate. We recommend blue terminals for clear identification and easy recognition. These, as well as the accessories, have to comply with the type according to EN 60079-11.

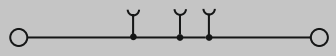
Clamping capacity of two conductors under Ex e
In case of the terminal block with screw connection (W-Series), it is generally permissible to also connect two conductors per clamping point, provided this is verified in the scope of type testing according to IEC 60947-7-1 and 60947-7-2. It is important to be sure that two of the same cross-sections are used below the rated cross-section.

ATEX directives
Since July 1, 2003, all new facilities in explosion risk zones must be certified according to ATEX Directive 94/9/EC or ATEX 95 (ATEX: ATmosphère EXplosive = explosive atmosphere). This directive is one of the "New Approach" directives. It is valid in all countries of the European Economic Area ("EEA"), as well as Iceland, Lichtenstein and Norway. In these countries, the directive refers to the sale and commissioning of products which have been designed particularly for high explosion risk environments (where explosive atmospheres exist due to gases, vapours, mists or dusts).

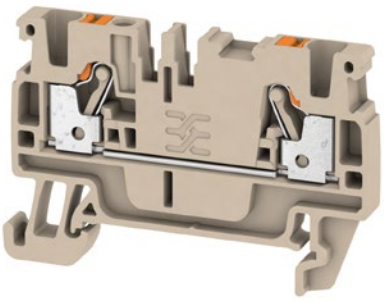
Directive 94/9/EC was superseded on April 20, 2016 by the directive 2014/34/EU.

Definitions of design types

Feed-through terminal blocks

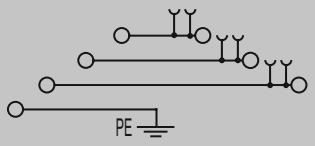


Functional description:
A feed-through terminal block is suitable for joining and/or connecting conductors and can have one or more connection levels that are insulated against one another.



Relevant standards:
- IEC 60947-7-1 / EN 60947-7-1

Multi-tier distribution terminal blocks



Functional description:
Multi-tier distribution terminal blocks have several connection levels and are used to join and/or connect external, neutral and protective earth conductors with a conducting PE connection to the mounting support plate. The N conductor can be disconnected to measure the insulation.

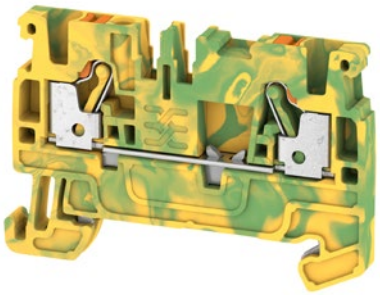


Relevant standards:
- IEC 60947-7-1
- IEC 60947-7-2
- DIN VDE 0611-4

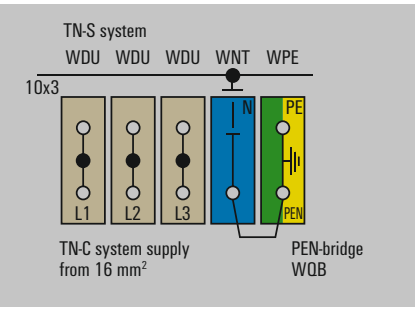
PE terminal blocks



Functional description:
PE terminal blocks establish the electrical and mechanical connection between copper conductors and the mounting support plate. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

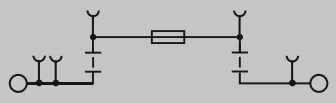


Relevant standards:
- IEC 60947-7-2 / EN 60947-7-2



PEN function
For the PEN function application, it is only permissible to use copper terminal rails according to IEC 60947-7-2.

Fuse terminal blocks

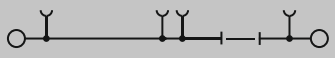


Functional description:
Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

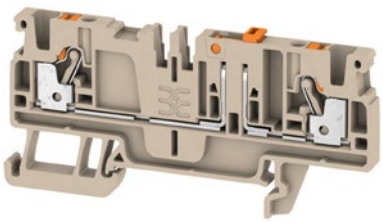


Relevant standards:
- IEC 60947-7-3
  in conjunction with VDE 0636
- IEC 60127-2

Test disconnect terminal blocks



Functional description:
You can use test disconnect terminal blocks to test and measure electric circuits in the absence of voltage. While the disconnecting point's clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

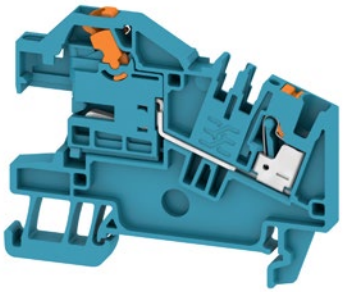


Relevant standards:
- IEC 60947-7-1

Neutral conductor disconnect terminal blocks



Functional description:
Neutral conductor disconnect terminal blocks have one longitudinal disconnector for connection to a neutral conductor busbar. The longitudinal disconnector is used to measure the insulation resistance against earth. It also enables simple testing without any need to disconnect the neutral conductor.



Relevant standards:
- IEC 60947-7-1

Using TS 35 × 15
TS 35 × 15 terminal rails for PE terminal blocks with a minimum rated cross-section of 16 mm² guarantee compliance with the required current-carrying capacity.

Service and support

Service and support	Our expertise for your requirements	V.2
	Engineering support and customised assembly	V.3
	Personal support	V.4

Our expertise for your requirements
Service connects – worldwide



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Automation engineering and connectivity consulting belongs to our services as well as assembly of engineered products. We also support the process from the idea to the product with our Weidmüller Configurator and the Configure-to-Order process.



Consulting and engineering
The challenge for you is reducing costs and increasing efficiency. This requires intelligent, individual solutions. Whether it is modified products, pre-fitted mounting rails or complete small cabinets – our application centres provide a highly qualified custom-made engineering and production service.



Connectivity Consulting
Alongside our product offering, we support you with our range of services through all the phases of machine construction. The result of this collaboration is a reduction of up to 30% in cycle times, up to 20% more space in the control cabinet and significant fault reduction.
Our experienced Connectivity Consulting team delivers a practical impetus rather than just abstract theories.



Fitted mounting rails
Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.



Processed and assembled enclosures
To compete internationally, your plants need to satisfy high standards of safety, quality and performance. The smart combination of consultation, application expertise and industry know-how is our key to finding a custom-fit solution for your application. Reduce costs and increase efficiency.

Personal support

Exactly the right help and information on our solutions and products

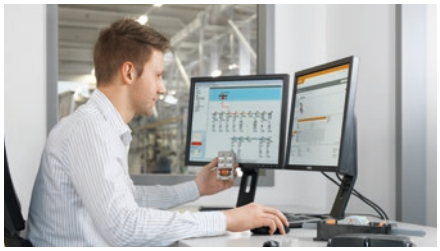


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Product software
Our software makes using and configuration of our products easier for you when it comes to operation, configuration and monitoring.



Approvals, certificates & declaration of conformity
We supply product- or company-related approvals and certificates for your documentation.



Security advisory board
Our Product Security Incident Response Team (PSIRT) continuously informs you about possible security-related vulnerabilities of our products.

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AFS 4 2C 10-36V BL/BL	2680570000	A.44
AFS 4 2C 10-36V DL BK	2675260000	A.83
AFS 4 2C 100-250V BK	2434390000	A.43
AFS 4 2C 100-250V BL/BL	2680590000	A.44
AFS 4 2C 100-250V DL BK	2675290000	A.83
AFS 4 2C 30-70V BK	2434350000	A.43
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AMG AM CO	2082770000	B.121
AMG CM	2081900000	B.121
AMG CM EX	2083360000	B.121
AMG DIS	2123050000	B.121
AMG DIS EX	2495100000	B.121
AMG ELM-10D CO	2082470000	B.121
AMG ELM-10F	2080650000	B.121
AMG ELM-10F EX	2082430000	B.121
AMG ELM-12	2080410000	B.121
AMG ELM-12 EX	2082010000	B.121
AMG ELM-1F	2080420000	B.121
AMG ELM-1F CL2	2491270000	B.121
AMG ELM-1F EX	2082040000	B.121
AMG ELM-2F	2080480000	B.121
AMG ELM-2F CL2	2491280000	B.121
AMG ELM-2F EX	2082050000	B.121
AMG ELM-4F	2080490000	B.121
AMG ELM-4F CL2	2491290000	B.121
AMG ELM-4F EX	2082060000	B.121
AMG ELM-6	2080360000	B.121
AMG ELM-6 EX	2082000000	B.121
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ATPG 1.5-10 L	1991890000	B.258
ATPG 1.5-10 L	1991890000	B.259
ATPG 1.5-10 L	1991890000	B.261
ATPG 10 MI-R	1991870000	A.18
ATPG 10 MI-R	1991870000	A.93
ATPG 2.5 MI-R	1991960000	A.6
ATPG 2.5 MI-R	1991960000	A.7
ATPG 2.5 MI-R	1991960000	A.8
ATPG 2.5 MI-R	1991960000	A.9
ATPG 2.5 MI-R	1991960000	A.13
ATPG 2.5 MI-R	1991960000	A.14
ATPG 2.5 MI-R	1991960000	A.24
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ATPG 2.5 MI-R	1991960000	A.34
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ATPG 2.5 MI-R	1991960000	A.40
ATPG 2.5 MI-R	1991960000	A.41
ATPG 2.5 MI-R	1991960000	A.46
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ATPG 2.5 MI-R	1991960000	A.48
ATPG 2.5 MI-R	1991960000	A.49
ATPG 2.5 MI-R	1991960000	A.52
ATPG 2.5 MI-R	1991960000	A.82
ATPG 2.5 MI-R	1991960000	A.93
ATPG 2.5 MI-R	1991960000	B.220
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ATPG 2.5 MI-R	1991960000	B.250
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ATPG 2.5 MI-R	1991960000	B.259
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ATPG 2.5/5	2041180000	B.253
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ATPG 4 MI-R	1991860000	A.27
ATPG 4 MI-R	1991860000	A.28
ATPG 4 MI-R	1991860000	A.34
ATPG 4 MI-R	1991860000	A.35
ATPG 4 MI-R	1991860000	A.40
ATPG 4 MI-R	1991860000	A.49
ATPG 4 MI-R	1991860000	A.93
ATPG 4 MI-R	1991860000	B.221
ATPG 4 MI-R	1991860000	B.254
ATPG 4 MI-R	1991860000	B.255
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ATPG 6 MI-R	1991930000	A.35
ATPG 6 MI-R	1991930000	A.36
ATPG 6 MI-R	1991930000	A.93
ATPG 6 MI-R	1991930000	B.221
ATPG 6 MI-R	1991930000	B.244
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BEST/D	1878560000	A.217
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BEST/DRBR	1878570000	A.288
BEST/DRBR	1878570000	A.289
BEST/DRBR	1878570000	A.296
BEST/DRBR	1878570000	A.298
BEST/DRBR	1878570000	A.299
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BEST/DRBR	1878570000	B.187
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BEST/DRBR	1878570000	B.191
BEST/DRBR	1878570000	B.256
BEST/DRBR	1878570000	B.257
BEST/DRBR	1878570000	B.258
BEST/DRBR	1878570000	B.259
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BS 25 IH/RT SAKT1	0335500000	B.159
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DEK 5/5 MC NE WS	1609801044	A.238
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DEK 5/8 MC NE WS	1856740000	B.28
DEK 5/8 MC NE WS	1856740000	B.31
DEK 5/8 MC NE WS	1856740000	B.102
DEK 5/8 MC NE WS	1856740000	B.103
DEK 5/8 MC NE WS	1856740000	B.108
DEK 5/8 MC NE WS	1856740000	B.109
DEK 5/8 MC NE WS	1856740000	B.147
DEK 5/8 MC NE WS	1856740000	B.151
DEK 5/8 MC NE WS	1856740000	B.152
DEK 5/8 MC NE WS	1856740000	B.155
DEK 5/8 MC NE WS	1856740000	B.156
DEK 5/8 MC NE WS	1856740000	B.157
DEK 5/8 MC NE WS	1856740000	B.244
DEK 5/8 MC NE WS	1856740000	B.246
DEK 5/8 MC NE WS	1856740000	B.248
DEK 5/8 MC NE WS	1856740000	B.279
DEK 5/8 MC NE WS	1856740000	B.281
DEK 5/8 MC NE WS	1856740000	B.283
DEK 5/8 MC SDR	1856750000	B.102
DEK 5/8 MC SDR	1856750000	B.103
DEK 5/8 MC SDR	1856750000	B.108
DEK 5/8 MC SDR	1856750000	B.109
DEK 5/8 MM WS	2007130000	A.111
DEK 5/8 MM WS	2007130000	A.119
DEK 5/8 MM WS	2007130000	A.143
DEK 5/8 MM WS	2007130000	A.148
DEK 5/8 MM WS	2007130000	A.149
DEK 5/8 MM WS	2007130000	A.228
DEK 5/8 MM WS	2007130000	A.229
DEK 5/8 MM WS	2007130000	A.269
DEK 5/8 MM WS	2007130000	A.270
DEK 5/8 MM WS	2007130000	A.273
DEK 5/8 PLUS MC NE WS	1046350000	A.16
DEK 5/8 PLUS MC NE WS	1046350000	A.35
DEK 5/8 PLUS MC NE WS	1046350000	A.36
DEK 5/8 PLUS MC NE WS	1046350000	B.98
DEK 5/8 PLUS MC NE WS	1046350000	B.99
DEK 5/8 PLUS MC NE WS	1046350000	B.100
DEK 5/8 PLUS MC NE WS	1046350000	B.101
DEK 5/8 PLUS MC NE WS	1046350000	B.130
DEK 5/8 PLUS MC NE WS	1046350000	B.131
DEK 5/8 PLUS MC NE WS	1046350000	B.132
DEK 5/8 PLUS MC NE WS	1046350000	B.133
DEK 5/8 PLUS MC NE WS	1046350000	B.134
DEK 5/8 PLUS MC NE WS	1046350000	B.135
DEK 5/8 PLUS MC NE WS	1046350000	B.221
DEK 5/8 PLUS MC SDR	1046370000	B.102
DEK 5/8 PLUS MC SDR	1046370000	B.103
DEK 5/8 PLUS MC SDR	1046370000	B.108
DEK 5/8 PLUS MC SDR	1046370000	B.109
DEK 8 FSZ 1-10	1289660001	A.107
DEK 8 FSZ 1-10	1289660001	A.119
DEK-A 5/8 MM WS	2448860000	A.16
DEK-A 5/8 MM WS	2448860000	A.35
DEK-A 5/8 MM WS	2448860000	A.36
DEK-A 5/8 MM WS	2448860000	B.98
DEK-A 5/8 MM WS	2448860000	B.99
DEK-A 5/8 MM WS	2448860000	B.100
DEK-A 5/8 MM WS	2448860000	B.101
DEK-A 5/8 MM WS	2448860000	B.221
DFFC .5-1.0 ZRV1.5	1705320000	A.188
DFFC 0.2-0.35 ZRV1.5	1705310000	A.188
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DLA 2.5/D DB	1783590000	B.178
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DLD 2.5/PE DB	1783790000	B.176
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DLI 2.5/LD-GN/PNP +- DB	1783970000	B.177
DLI 2.5/LD-RT/NPN -+ DB	1783950000	B.177
DLI 2.5/LD-RT/PNP +- DB	1783980000	B.177
E 14/10A RT	0328400000	A.277
E 14/10A RT	0328400000	A.284
E 14/16A GR	0328500000	A.284
E 14/2A RS	0137400000	A.277
E 14/2A RS	0137400000	A.284
E 14/4A BR	0137500000	A.277
E 14/4A BR	0137500000	A.284
E 14/6A GN	0328300000	A.277
E 14/6A GN	0328300000	A.284
E 16/10A RT TNDZ	0208500000	A.277
E 16/10A RT TNDZ	0208500000	A.284
E 16/16A GR TNDZ	0208600000	A.277
E 16/16A GR TNDZ	0208600000	A.284
E 16/20A BL TNDZ	0208700000	A.277
E 16/20A BL TNDZ	0208700000	A.284
E 16/25A GE TNDZ	0208800000	A.277
E 16/25A GE TNDZ	0208800000	A.284
E 18/20A BL	0361300000	A.278
E 18/20A BL	0361300000	A.285
E 18/25A GE	0361400000	A.278
E 18/25A GE	0361400000	A.285
E 18/35A SW	0361500000	A.278
E 18/35A SW	0361500000	A.285
E 18/50A WS	0361600000	A.285
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END CAP G+S 1L/10-16	2658970000	C.26
END CAP G+S 2L/10	2658980000	C.27
END CAP G+S 2L/10	2658980000	C.28
END CAP G+S 2L/16	2658990000	C.27
END CAP G+S 2L/16	2658990000	C.28
END CAP G+S 3L/10	2659000000	C.29
END CAP G+S 3L/10	2659000000	C.30
END CAP G+S 3L/16	2659600000	C.29
END CAP G+S 3L/16	2659600000	C.30
END CAP G+S 4L/10	2659010000	C.31
END CAP G+S 4L/10	2659010000	C.32
END CAP G+S 4L/16	2659030000	C.31
END CAP G+S 4L/16	2659030000	C.32
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ETA 1170 21 15A	1278810000	A.169
ETA 1170 21 20A	1278820000	A.169
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ETA 1170 21 4A	1278740000	A.169
ETA 1170 21 5A	1278750000	A.169
ETA 1170 21 6A	1278760000	A.169
ETA 1170 21 7.5A	1278770000	A.169
ETA 1170 21 8A	1278780000	A.169
ETA 1180 01 0.1A	1278840000	A.168
ETA 1180 01 0.1A	1278840000	A.170
ETA 1180 01 0.25A	1278860000	A.168
ETA 1180 01 0.25A	1278860000	A.170
ETA 1180 01 0.2A	1278850000	A.168
ETA 1180 01 0.2A	1278850000	A.170
ETA 1180 01 0.3A	1278870000	A.168
ETA 1180 01 0.3A	1278870000	A.170
ETA 1180 01 0.4A	1278880000	A.168
ETA 1180 01 0.4A	1278880000	A.170
ETA 1180 01 0.5A	1278910000	A.168
ETA 1180 01 0.5A	1278910000	A.170
ETA 1180 01 0.6A	1278920000	A.168
ETA 1180 01 0.6A	1278920000	A.170
ETA 1180 01 0.7A	1278930000	A.168
ETA 1180 01 0.7A	1278930000	A.170
ETA 1180 01 0.8A	1278940000	A.168
ETA 1180 01 0.8A	1278940000	A.170
ETA 1180 01 1.5A	1278960000	A.168
ETA 1180 01 1.5A	1278960000	A.170
ETA 1180 01 10A	1279070000	A.168
ETA 1180 01 10A	1279070000	A.170
ETA 1180 01 1A	1278950000	A.168
ETA 1180 01 1A	1278950000	A.170
ETA 1180 01 2.5A	1278980000	A.168
ETA 1180 01 2.5A	1278980000	A.170
ETA 1180 01 2A	1278970000	A.168
ETA 1180 01 2A	1278970000	A.170
ETA 1180 01 3.5A	1279010000	A.168
ETA 1180 01 3.5A	1279010000	A.170
ETA 1180 01 3A	1278990000	A.168
ETA 1180 01 3A	1278990000	A.170
ETA 1180 01 4A	1279020000	A.168
ETA 1180 01 4A	1279020000	A.170
ETA 1180 01 5A	1279030000	A.168
ETA 1180 01 5A	1279030000	A.170
ETA 1180 01 6A	1279040000	A.168
ETA 1180 01 6A	1279040000	A.170
ETA 1180 01 7A	1279050000	A.168
ETA 1180 01 7A	1279050000	A.170
ETA 1180 01 8A	1279060000	A.168
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EW 35	0383560000	C.21
EW 35 DB	1269050000	C.21
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FEKO ET ZRV2.5 0.5-1	1893970000	A.189
FEKO ET ZRV2.5 1.5-2.5	1893990000	A.189
FEKO ZRV2.5 0.2-0.35	1854750000	A.189
FEKO ZRV2.5 0.5-1	1854760000	A.189
FEKO ZRV2.5 1.5-2.5	1848480000	A.189
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FIT 25 SN	2659060000	C.33
FIT 50 GN	2659070000	C.33
FIT 50 GN/F	2659090000	C.33
FIT 50 SN	2659080000	C.33
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FUCR SW	1167630000	B.189
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FUSE 1KV DC 10A 10/38	1224910000	A.285
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FUSE 1KV DC 12A 10/38	1224920000	A.285
FUSE 1KV DC 16A 10/38	1224930000	A.276
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FUSE 1KV DC 20A 10/38	1224950000	A.276
FUSE 1KV DC 20A 10/38	1224950000	A.285
FUSE 1KV DC 2A 10/38	1224870000	A.276
FUSE 1KV DC 2A 10/38	1224870000	A.285
FUSE 1KV DC 4A 10/38	1224880000	A.276
FUSE 1KV DC 4A 10/38	1224880000	A.285
FUSE 1KV DC 6A 10/38	1224890000	A.276
FUSE 1KV DC 6A 10/38	1224890000	A.285
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G 20/0.10A/F	0430300000	A.284
G 20/0.20A/F	0430400000	A.171
G 20/0.20A/F	0430400000	A.284
G 20/0.25A/F	0430500000	A.43
G 20/0.25A/F	0430500000	A.44
G 20/0.25A/F	0430500000	A.156
G 20/0.25A/F	0430500000	A.157
G 20/0.25A/F	0430500000	A.158
G 20/0.25A/F	0430500000	A.162
G 20/0.25A/F	0430500000	A.164
G 20/0.25A/F	0430500000	A.166
G 20/0.25A/F	0430500000	A.167
G 20/0.25A/F	0430500000	A.171
G 20/0.25A/F	0430500000	A.264
G 20/0.25A/F	0430500000	A.265
G 20/0.25A/F	0430500000	A.266
G 20/0.25A/F	0430500000	A.267
G 20/0.25A/F	0430500000	A.269
G 20/0.25A/F	0430500000	A.270
G 20/0.25A/F	0430500000	A.273
G 20/0.25A/F	0430500000	A.279
G 20/0.25A/F	0430500000	A.280
G 20/0.25A/F	0430500000	A.281
G 20/0.25A/F	0430500000	A.282
G 20/0.25A/F	0430500000	A.284
G 20/0.25A/F	0430500000	B.112
G 20/0.25A/F	0430500000	B.115
G 20/0.50A/F	0430600000	A.43
G 20/0.50A/F	0430600000	A.44
G 20/0.50A/F	0430600000	A.156
G 20/0.50A/F	0430600000	A.157
G 20/0.50A/F	0430600000	A.158
G 20/0.50A/F	0430600000	A.162
G 20/0.50A/F	0430600000	A.164
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G 20/0.50A/F	0430600000	A.269
G 20/0.50A/F	0430600000	A.270
G 20/0.50A/F	0430600000	A.273
G 20/0.50A/F	0430600000	A.279
G 20/0.50A/F	0430600000	A.280
G 20/0.50A/F	0430600000	A.281
G 20/0.50A/F	0430600000	A.282
G 20/0.50A/F	0430600000	A.284
G 20/0.50A/F	0430600000	B.112
G 20/0.50A/F	0430600000	B.115
G 20/0.63A/F	0439000000	A.171
G 20/0.63A/F	0439000000	A.284
G 20/1.00A/F	0430700000	A.43
G 20/1.00A/F	0430700000	A.44
G 20/1.00A/F	0430700000	A.156
G 20/1.00A/F	0430700000	A.157
G 20/1.00A/F	0430700000	A.158
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G 20/1.00A/F	0430700000	B.112
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G 20/2.00A/F	0430900000	A.156
G 20/2.00A/F	0430900000	A.157
G 20/2.00A/F	0430900000	A.158
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G 20/2.00A/F	0430900000	A.164
G 20/2.00A/F	0430900000	A.166
G 20/2.00A/F	0430900000	A.167
G 20/2.00A/F	0430900000	A.171
G 20/2.00A/F	0430900000	A.264
G 20/2.00A/F	0430900000	A.266
G 20/2.00A/F	0430900000	A.267
G 20/2.00A/F	0430900000	A.269
G 20/2.00A/F	0430900000	A.270
G 20/2.00A/F	0430900000	A.273
G 20/2.00A/F	0430900000	A.279
G 20/2.00A/F	0430900000	A.280
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G 25/0.50A/M WS	0510300000	A.171
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G 25/0.80A/M GR	0646400000	A.171
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G 25/1.00A/M RT	0265800000	A.158
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G 25/1.00A/M RT	0265800000	A.167
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G 25/1.00A/M RT	0265800000	A.284
G 25/10.0A/M RT	0193100000	A.171
G 25/10.0A/M RT	0193100000	A.284
G 25/2.00A/F BL	0192700000	A.158
G 25/2.00A/F BL	0192700000	A.162
G 25/2.00A/F BL	0192700000	A.167
G 25/2.00A/F BL	0192700000	A.171
G 25/2.00A/F BL	0192700000	A.284
G 25/4.00A/F BR	0192800000	A.158
G 25/4.00A/F BR	0192800000	A.162
G 25/4.00A/F BR	0192800000	A.167
G 25/4.00A/F BR	0192800000	A.171
G 25/4.00A/F BR	0192800000	A.284
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G-1L+9-1000/16	2657900000	C.25
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G-1L+N+9-2L+N+9-3L+N+9-1000/16 C	2658820000	C.31
G-1L+N-2L+N-3L+N-1000/10 C	2658790000	C.31
G-1L+N-2L+N-3L+N-1000/16 C	2658800000	C.31
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PS 2.0 MC	0310000000	B.251
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PS 2.0 OR	0293800000	A.213
PS 2.3 RT	0180400000	A.112
PS 2.3 RT	0180400000	A.113
PS 2.3 RT	0180400000	A.172
PS 2.3 RT	0180400000	A.173
PS 2.3 RT	0180400000	A.174
PS 2.3 RT	0180400000	A.187
PS 2.3 RT	0180400000	A.213
PS 2.3 RT	0180400000	A.220
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PS 4 F.STB 4	0299600000	B.147
PS 4 F.STB 4	0299600000	B.152
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PS_ZQV_SET	1116710000	A.214

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Q 10 AKZ1.5	0368500000	A.222
Q 10 AKZ1.5	0368500000	A.332
Q 10 AKZ4	0368600000	A.224
Q 10 AKZ4	0368600000	A.332
Q 10 AKZ4SS	0369300000	A.245
Q 10 AKZ4SS	0369300000	A.332
Q 10 DLI	1313100000	A.332
Q 10 DLI	1313100000	B.176
Q 10 DLI	1313100000	B.177
Q 10 DLI	1313100000	B.178
Q 10 DLI	1313100000	B.179
Q 10 WDL2.5S	1071800000	A.332
Q 10 WDL2.5S	1071800000	B.290
Q 10 WDL2.5S	1071800000	B.291
Q 10 WDL2.5S	1071800000	B.292
Q 10 WDL2.5S	1071800000	B.293
Q 2 AKZ1.5	0368200000	A.220
Q 2 AKZ1.5	0368200000	A.222
Q 2 AKZ1.5	0368200000	A.332
Q 2 AKZ4	0336400000	A.224
Q 2 AKZ4	0336400000	A.332
Q 2 AKZ4SS	0369000000	A.245
Q 2 AKZ4SS	0369000000	A.332
Q 2 DLI	1312500000	A.332
Q 2 DLI	1312500000	B.176
Q 2 DLI	1312500000	B.177
Q 2 DLI	1312500000	B.178
Q 2 DLI	1312500000	B.179
Q 2 WDL2.5S	1071500000	A.332
Q 2 WDL2.5S	1071500000	B.290
Q 2 WDL2.5S	1071500000	B.291
Q 2 WDL2.5S	1071500000	B.292
Q 2 WDL2.5S	1071500000	B.293
Q 20 DLI	1399800000	A.332
Q 20 WDL2.5S	1074200000	A.332
Q 20 WDL2.5S	1074200000	B.290
Q 20 WDL2.5S	1074200000	B.291
Q 20 WDL2.5S	1074200000	B.292
Q 20 WDL2.5S	1074200000	B.293
Q 3 AKZ1.5	0368300000	A.332
Q 3 AKZ4	0336500000	A.332
Q 3 DLI	1312600000	A.332
Q 3 DLI	1312600000	B.176
Q 3 DLI	1312600000	B.177
Q 3 DLI	1312600000	B.178
Q 3 DLI	1312600000	B.179
Q 3 WDL2.5S	1071600000	A.332
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Q 3 WDL2.5S	1071600000	B.291
Q 3 WDL2.5S	1071600000	B.292
Q 3 WDL2.5S	1071600000	B.293
Q 4 AKZ1.5	0368400000	A.332
Q 4 AKZ4	0336600000	A.332
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Q 4 DLI	1312700000	B.177
Q 4 DLI	1312700000	B.178
Q 4 DLI	1312700000	B.179
Q 4 WDL2.5S	1071700000	A.332
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Q 4 WDL2.5S	1071700000	B.291
Q 4 WDL2.5S	1071700000	B.292
Q 4 WDL2.5S	1071700000	B.293
Q WDU10-2.5 SET	1859620000	A.333
Q WDU10-4 SET	1859610000	A.334
Q WDU6-2.5 SET	1859600000	A.333
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QL 10 SAK16	0471000000	A.274
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QL 10 SAK6N	0338300000	A.270
QL 10 SAK6N	0338300000	A.273
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QL 10 SAKS2	0338900000	A.277
QL 10 SAKS2	0338900000	A.278
QL 10 SAKS4	0339000000	A.277
QL 15 SAK6N	0221200000	B.159
QL 2 SAK16	0470700000	A.271
QL 2 SAK16	0470700000	A.272
QL 2 SAK16	0470700000	A.274
QL 2 SAK6N	0194300000	A.269
QL 2 SAK6N	0194300000	A.270
QL 2 SAK6N	0194300000	A.273
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SSCH 10X3X1000 CU/SN	0348900000	B.283
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SSCH 10X3X1000 CU/SN	0348900000	B.286
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SSCH 10X3X1000 CU/SN	0348900000	B.292
SSCH 10X3X1000 CU/SN	0348900000	B.293
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ST 4000/L S180	2564180000	A.365
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STB 21.6/45 GN	1936250000	B.159
STB 21.6/45 GN	1936250000	B.160
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WAD 5 MC NE WS	1112910000	A.225
WAD 5 MC NE WS	1112910000	B.130
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WAD 5 MC NE WS	1112910000	B.134
WAD 5 MC NE WS	1112910000	B.228
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WAD 8 MC NE GE	1112950000	A.230
WAD 8 MC NE GE	1112950000	A.247
WAD 8 MC NE GE	1112950000	A.248
WAD 8 MC NE GE	1112950000	A.249
WAD 8 MC NE GE	1112950000	A.250
WAD 8 MC NE GE	1112950000	A.251
WAD 8 MC NE GE	1112950000	A.263
WAD 8 MC NE GE	1112950000	B.92
WAD 8 MC NE WS	1112940000	A.228
WAD 8 MC NE WS	1112940000	A.230
WAD 8 MC NE WS	1112940000	A.247
WAD 8 MC NE WS	1112940000	A.248
WAD 8 MC NE WS	1112940000	A.249
WAD 8 MC NE WS	1112940000	A.250
WAD 8 MC NE WS	1112940000	A.251
WAD 8 MC NE WS	1112940000	A.263
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ZPE 1.5/4AN	1775620000	A.140
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ZPE 10/3AN	1767670000	A.144
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ZPE 16	1745250000	A.145
ZPE 16-2/1AN	1772960000	A.149
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ZPE 16S	1739610000	B.281
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ZQV 2.5N/10 GE	1693880000	A.187
ZQV 2.5N/10 GE	1693880000	A.191
ZQV 2.5N/10 GE	1693880000	A.210
ZQV 2.5N/10 GE	1693880000	A.287
ZQV 2.5N/10 GE	1693880000	B.186
ZQV 2.5N/10 GE	1693880000	B.187
ZQV 2.5N/10 GE	1693880000	B.189
ZQV 2.5N/10 GE	1693880000	B.190
ZQV 2.5N/10 GE	1693880000	B.191
ZQV 2.5N/10 INSTA	2794180000	B.244
ZQV 2.5N/10 INSTA	2794180000	B.250
ZQV 2.5N/10 INSTA	2794180000	B.251
ZQV 2.5N/10 INSTA	2794180000	B.252
ZQV 2.5N/10 INSTA	2794180000	B.253
ZQV 2.5N/10 INSTA	2794180000	B.256
ZQV 2.5N/10 INSTA	2794180000	B.257
ZQV 2.5N/10 INSTA	2794180000	B.258
ZQV 2.5N/10 INSTA	2794180000	B.259
ZQV 2.5N/10 INSTA BL	2794290000	B.248
ZQV 2.5N/10 RD	2108910000	A.90
ZQV 2.5N/10 RD	2108910000	A.326
ZQV 2.5N/10 RD	2108910000	B.104
ZQV 2.5N/10 RD	2108910000	B.105
ZQV 2.5N/10 RD	2108910000	B.106
ZQV 2.5N/10 RD	2108910000	B.107
ZQV 2.5N/10 RD	2108910000	B.108
ZQV 2.5N/10 RD	2108910000	B.109
ZQV 2.5N/2	1527540000	A.6
ZQV 2.5N/2	1527540000	A.7
ZQV 2.5N/2	1527540000	A.13
ZQV 2.5N/2	1527540000	A.14
ZQV 2.5N/2	1527540000	A.17
ZQV 2.5N/2	1527540000	A.19
ZQV 2.5N/2	1527540000	A.24
ZQV 2.5N/2	1527540000	A.25
ZQV 2.5N/2	1527540000	A.26
ZQV 2.5N/2	1527540000	A.27
ZQV 2.5N/2	1527540000	A.29
ZQV 2.5N/2	1527540000	A.30
ZQV 2.5N/2	1527540000	A.31
ZQV 2.5N/2	1527540000	A.42
ZQV 2.5N/2	1527540000	A.46
ZQV 2.5N/2	1527540000	A.47
ZQV 2.5N/2	1527540000	A.48
ZQV 2.5N/2	1527540000	A.49
ZQV 2.5N/2	1527540000	A.52
ZQV 2.5N/2	1527540000	A.58
ZQV 2.5N/2	1527540000	A.59
ZQV 2.5N/2	1527540000	A.60
ZQV 2.5N/2	1527540000	A.61
ZQV 2.5N/2	1527540000	A.72
ZQV 2.5N/2	1527540000	A.73
ZQV 2.5N/2	1527540000	A.74
ZQV 2.5N/2	1527540000	A.75
ZQV 2.5N/2	1527540000	A.82
ZQV 2.5N/2	1527540000	A.90
ZQV 2.5N/2	1527540000	A.221
ZQV 2.5N/2	1527540000	A.222
ZQV 2.5N/2	1527540000	A.223
ZQV 2.5N/2	1527540000	A.243
ZQV 2.5N/2	1527540000	A.244
ZQV 2.5N/2	1527540000	A.245
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ZQV 2.5N/2	1527540000	A.310
ZQV 2.5N/2	1527540000	A.326
ZQV 2.5N/2	1527540000	B.90
ZQV 2.5N/2	1527540000	B.228
ZQV 2.5N/2 BL	1527740000	A.90
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ZQV 2.5N/2 BL	1527740000	B.104
ZQV 2.5N/2 BL	1527740000	B.105
ZQV 2.5N/2 BL	1527740000	B.106
ZQV 2.5N/2 BL	1527740000	B.107
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ZQV 2.5N/2 GE	1693800000	A.185
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ZQV 2.5N/2 INSTA	2794070000	B.259
ZQV 2.5N/2 INSTA BL	2794210000	B.248
ZQV 2.5N/2 RD	2108470000	A.90
ZQV 2.5N/2 RD	2108470000	A.326
ZQV 2.5N/2 RD	2108470000	B.104
ZQV 2.5N/2 RD	2108470000	B.105
ZQV 2.5N/2 RD	2108470000	B.106
ZQV 2.5N/2 RD	2108470000	B.107
ZQV 2.5N/2 RD	2108470000	B.108
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ZQV 2.5N/20	1527720000	A.90
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ZQV 2.5N/3 INSTA	2794090000	B.252
ZQV 2.5N/3 INSTA	2794090000	B.253
ZQV 2.5N/3 INSTA	2794090000	B.256
ZQV 2.5N/3 INSTA	2794090000	B.257
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ZQV 2.5N/4	1527590000	A.326
ZQV 2.5N/4 BL	1527780000	A.90
ZQV 2.5N/4 BL	1527780000	A.326
ZQV 2.5N/4 GE	1693820000	A.210
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ZQV 2.5N/4 INSTA	2794110000	B.252
ZQV 2.5N/4 INSTA	2794110000	B.253
ZQV 2.5N/4 INSTA	2794110000	B.256
ZQV 2.5N/4 INSTA	2794110000	B.257
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ZQV 2.5N/50 RD	2109000000	A.90
ZQV 2.5N/6	1527630000	A.90
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ZQV 6/32 GE	1733640000	B.274
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0208500000	E 16/10A RT TNDZ	A.284
0208600000	E 16/16A GR TNDZ	A.277
0208600000	E 16/16A GR TNDZ	A.284
0208700000	E 16/20A BL TNDZ	A.277
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0208800000	E 16/25A GE TNDZ	A.277
0208800000	E 16/25A GE TNDZ	A.284
0210000000		
0215700000	STB 8.5/D4/2.3/M2.5 AKZ	A.220
0215700000	STB 8.5/D4/2.3/M2.5 AKZ	A.222
0215700000	STB 8.5/D4/2.3/M2.5 AKZ	A.224
0220000000		
0221200000	QL 15 SAK6N	B.159
0230000000		
0236400000	TS 35X15 2M/ST/ZN	C.19
0236500000	TS 35X15/LL 2M/ST/ZN	B.137
0236500000	TS 35X15/LL 2M/ST/ZN	B.213
0236500000	TS 35X15/LL 2M/ST/ZN	B.214
0236500000	TS 35X15/LL 2M/ST/ZN	C.19
0236510000	TS 35X15/LL 1M/ST/ZN	C.19
0240000000		
0241260000	MK 2/12	A.318
0243520000	MK 3/12	A.318
0243820000	MK 5/2 O.DE	A.320
0244060000	D 2 MK5/2 PA/NA	A.320
0244220000	MK 4/16	A.319
0249000000	VH 12/4.9/3.3 SAK6N	B.152
0249000000	VH 12/4.9/3.3 SAK6N	B.159
0250000000		
0259800000	PFBD 10.00X3.00X1000 CUZN35PB BK	C.12
0260000000		
0265800000	G 25/1.00A/M RT	A.158
0265800000	G 25/1.00A/M RT	A.162
0265800000	G 25/1.00A/M RT	A.167
0265800000	G 25/1.00A/M RT	A.171
0265800000	G 25/1.00A/M RT	A.284
0266500000	ZB 35/M6X16	B.264
0266500000	ZB 35/M6X16	B.265
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0266500000	ZB 35/M6X16	B.272
0266500000	ZB 35/M6X16	B.273
0266500000	ZB 35/M6X16	B.283
0266500000	ZB 35/M6X16	B.286
0266500000	ZB 35/M6X16	B.287
0266500000	ZB 35/M6X16	B.288
0266500000	ZB 35/M6X16	B.292
0266500000	ZB 35/M6X16	B.293
0267100000	BFSC M4X30	C.12
0267200000	STB 25 IH/GE	B.150
0270000000		
0270100000	TS 35X15/2.3 2M/CU/BK	B.22
0270100000	TS 35X15/2.3 2M/CU/BK	C.18
0270100000	TS 35X15/2.3 2M/CU/BK	C.19
0270760000	QS 2/12/4	B.159
0270860000	QS 2/10/4	B.159
0270960000	QS 2/8/4	B.159
0271200000	STB 25 IH/GN	B.150
0271300000	STB 25 IH/VI	B.150
0273820000	MK 3/2	A.318
0273920000	MK 3/3	A.318
0274020000	MK 3/4	A.318
0274120000	MK 3/5	A.318
0274220000	MK 3/6	A.318
0274320000	MK 3/7	A.318
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0274620000	MK 3/10	A.318
0280000000		
0280100000	DKSUE NSCH/ESCH	C.12
0280200000	NSCH 1M	C.12
0280300000	ESCH 1 M	C.12
0280600000	STB 8.5/5/2.3/M3 SAK2.5	B.148
0284110000	SK E16/SAKS2	A.277
0290000000		
0293220000	TS 32X15 2M/CRN	C.18
0293800000	PS 2.0 OR	A.213
0294360000	AKZ 4	A.224
0294380000	AKZ 4 BL	A.224
0294460000	AP AKZ4	A.224
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0299600000	PS 4 F.STB 4	B.147
0299600000	PS 4 F.STB 4	B.152
0299860000	SH 1	C.12
0300000000		
0307300000	QVS 2 SAKT1+2	B.150
0307300000	QVS 2 SAKT1+2	B.151
0307300000	QVS 2 SAKT1+2	B.152
0307300000	QVS 2 SAKT1+2	B.158
0307400000	QVS 4 SAKT1+2	B.158
0309700000	VH 16/5/3.5 SAK10-35	B.154
0309700000	VH 16/5/3.5 SAK10-35	B.155
0309700000	VH 16/5/3.5 SAK10-35	B.156
0309700000	VH 16/5/3.5 SAK10-35	B.157
0309700000	VH 16/5/3.5 SAK10-35	B.159
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0310000000	PS 2.0 MC	A.7
0310000000	PS 2.0 MC	A.8
0310000000	PS 2.0 MC	A.9
0310000000	PS 2.0 MC	A.12
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0310000000	PS 2.0 MC	A.28
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0310000000	PS 2.0 MC	A.36
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0310000000	PS 2.0 MC	B.19
0310000000	PS 2.0 MC	B.22
0310000000	PS 2.0 MC	B.90
0310000000	PS 2.0 MC	B.98
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0310000000	PS 2.0 MC	B.220
0310000000	PS 2.0 MC	B.221
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0310000000	PS 2.0 MC	B.252
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0316400000	TS 20/CX10 2M/ST/ZN	C.17
0316500000	ZB 4	B.286
0316500000	ZB 4	B.287
0316500000	ZB 4	B.288
0316500000	ZB 4	B.292
0316500000	ZB 4	B.293
0316600000	ZB 16 ZKSC	B.270
0316600000	ZB 16 ZKSC	B.271
0316600000	ZB 16 ZKSC	B.272
0316600000	ZB 16 ZKSC	B.273
0316600000	ZB 16 ZKSC	B.286
0316600000	ZB 16 ZKSC	B.287
0316600000	ZB 16 ZKSC	B.288
0316600000	ZB 16 ZKSC	B.292
0316600000	ZB 16 ZKSC	B.293
0318000000	VH 19/6/4.2 SAKT1	B.150
0318000000	VH 19/6/4.2 SAKT1	B.151
0318000000	VH 19/6/4.2 SAKT1	B.152
0318000000	VH 19/6/4.2 SAKT1	B.158
0318000000	VH 19/6/4.2 SAKT1	B.160
0318000000	VH 19/6/4.2 SAKT1	B.162
0318560000	TW AKZ2.5	A.222
0319160000	TSCH 1	B.176
0319160000	TSCH 1	B.177
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0320000000		
0328000000	QL 2 SAKS4	A.277
0328300000	E 14/6A GN	A.277
0328300000	E 14/6A GN	A.284
0328400000	E 14/10A RT	A.277
0328400000	E 14/10A RT	A.284
0328500000	E 14/16A GR	A.284
0328600000	P 14/6 D01 GN SAKS4	A.285
0328700000	P 14/10 D01 RT SAKS4	A.285
0329300000	QVS 3 SAKT1+2	B.151
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0330800000	TS 35X7.5 2M/AL/BK	C.18
0334700000	BS 25 O.IH SAKT1	B.159
0334900000	MB M6/M4 GR	C.22
0335200000	BS 25 IH/SW SAKT1	B.159
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0335400000	BS 25 IH/BL SAKT1	B.159
0335500000	BS 25 IH/RT SAKT1	B.159
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0335600000	BS 25 IH/GN SAKT1	B.159
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0335600000	BS 25 IH/GN SAKT1	B.162
0335700000	BS 25 IH/GE SAKT1	B.150
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0335700000	BS 25 IH/GE SAKT1	B.160
0335700000	BS 25 IH/GE SAKT1	B.162
0335800000	BS 25 IH/VI SAKT1	B.150
0335800000	BS 25 IH/VI SAKT1	B.154
0335800000	BS 25 IH/VI SAKT1	B.159
0335800000	BS 25 IH/VI SAKT1	B.160
0335800000	BS 25 IH/VI SAKT1	B.162
0336400000	Q 2 AKZ4	A.224
0336400000	Q 2 AKZ4	A.332
0336500000	Q 3 AKZ4	A.332
0336600000	Q 4 AKZ4	A.332
0338300000	QL 10 SAK6N	A.269
0338300000	QL 10 SAK6N	A.270
0338300000	QL 10 SAK6N	A.273
0338300000	QL 10 SAK6N	B.159
0338900000	QL 10 SAKS2	A.277
0338900000	QL 10 SAKS2	A.278
0339000000	QL 10 SAKS4	A.277
0339410000	SK E14 SAKS4	A.277
0340000000		
0340460000	AKZ 1.5	A.220
0340480000	AKZ 1.5 BL	A.220
0340560000	AP AKZ1.5	A.220
0340580000	AP AKZ1.5 BL	A.220
0341000000	STB 30.5 IH/SW	B.158
0341100000	STB 30.5 IH/GR	B.158
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0341300000	STB 30.5 IH/RT	B.158
0341400000	STB 30.5 IH/GN	B.158

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0343400000	STB 25 IH/BL	B.150
0348260000	TW AKZ4	A.224
0348900000	SSCH 10X3X1000 CU/SN	B.203
0348900000	SSCH 10X3X1000 CU/SN	B.204
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0353500000	FKSC M6X12 D9/SW3	C.22
0353660000	TSCH 2	B.150
0357400000	SSCH 15X6X1000 CU/SN	C.12
0358460000	QVS 2/S SAKT1+2	B.158
0359310000	SK E18 SAKS5	A.278

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0362100000	P 18/50 D02 WS SAKS5	A.278
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0368200000	Q 2 AKZ1.5	A.222
0368200000	Q 2 AKZ1.5	A.332
0368300000	Q 3 AKZ1.5	A.332
0368400000	Q 4 AKZ1.5	A.332
0368500000	Q 10 AKZ1.5	A.220
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0369300000	Q 10 AKZ4SS	A.332

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0382860000	EW 15	A.220
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0430700000	G 20/1.00A/F	B.112
0430700000	G 20/1.00A/F	B.115
0430800000	G 20/1.60A/F	A.171
0430800000	G 20/1.60A/F	A.284
0430900000	G 20/2.00A/F	A.43
0430900000	G 20/2.00A/F	A.44
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0430900000	G 20/2.00A/F	A.266
0430900000	G 20/2.00A/F	A.267
0430900000	G 20/2.00A/F	A.269
0430900000	G 20/2.00A/F	A.270
0430900000	G 20/2.00A/F	A.273
0430900000	G 20/2.00A/F	A.279
0430900000	G 20/2.00A/F	A.280
0430900000	G 20/2.00A/F	A.281
0430900000	G 20/2.00A/F	A.282
0430900000	G 20/2.00A/F	A.284
0430900000	G 20/2.00A/F	B.112
0430900000	G 20/2.00A/F	B.115
0431000000	G 20/2.50A/F	A.171
0431000000	G 20/2.50A/F	A.284
0431100000	G 20/3.15A/F	A.171
0431100000	G 20/3.15A/F	A.284
0431200000	G 20/4.00A/F	A.171
0431200000	G 20/4.00A/F	A.284
0431300000	G 20/5.00A/F	A.171
0431300000	G 20/5.00A/F	A.284
0431400000	G 20/6.30A/F	A.171
0431400000	G 20/6.30A/F	A.284
0438000000	SSCH 10X3X1000 ST/ZN	C.12
0439000000	G 20/0.63A/F	A.171
0439000000	G 20/0.63A/F	A.284

0440000000

0445600000	MEW 1/32	C.21

0470000000

0470700000	QL 2 SAK16	A.271
0470700000	QL 2 SAK16	A.272
0470700000	QL 2 SAK16	A.274
0471000000	QL 10 SAK16	A.271
0471000000	QL 10 SAK16	A.272
0471000000	QL 10 SAK16	A.274
0475380000	ZB 4K BL	B.282
0475380000	ZB 4K BL	B.283
0475380000	ZB 4K BL	B.284
0475380000	ZB 4K BL	B.285

0480000000

0485200000	ADP 1/HP1 1M	C.23
0485300000	ADP 2/HP2 1M	C.23
0485400000	ADP 3/HP3 1M	C.23
0485560000	HP 1 ADP1	C.23
0485660000	HP 2 ADP2	C.23
0485760000	HP 3 ADP3	C.23
0485860000	HP 4 ADP3	C.23

0490000000

0494920000	SH 2	C.13
0495660000	MOFU 35	C.22
0498000000	TS 35X15/2.3 2M/ST/ZN	C.19

0500000000

0501800000	SAKS 4/35 DB	A.277
0502100000	SAKS 5/35 DB	A.278
0502680000	ZB 35K BL M6X16	B.282
0502680000	ZB 35K BL M6X16	B.283
0502680000	ZB 35K BL M6X16	B.284
0502680000	ZB 35K BL M6X16	B.285
0502880000	ZB 16K BL	B.264
0502880000	ZB 16K BL	B.265
0502880000	ZB 16K BL	B.282
0502880000	ZB 16K BL	B.283
0502880000	ZB 16K BL	B.284
0502880000	ZB 16K BL	B.285
0503500000	MB M3/M5 CRM	C.22

0510000000

0510300000	G 25/0.50A/M WS	A.158

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0510300000	G 25/0.50A/M WS	A.162
0510300000	G 25/0.50A/M WS	A.167
0510300000	G 25/0.50A/M WS	A.171
0510300000	G 25/0.50A/M WS	A.284
0514200000	TS 15X5 2M/ST/ZN	C.17
0514300000	TSK 35X15 2M PVC/GR	C.19
0514400000	TS 32X15/LL 2M/ST/ZN	C.18
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.12
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.130
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.132
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.134
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.137
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.164
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.168
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.213
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.214
0514500000	TS 35X7.5/LL 2M/ST/ZN	C.18
0514510000	TS 35X7.5/LL 1M/ST/ZN	C.18
0514570000	TS 35X7.5/LL/6 2M/ST/ZN	C.18
0515300000	STR 7 F.SCHT 7	A.183
0515300000	STR 7 F.SCHT 7	A.191
0517960000	SCHT 7	A.310

0530000000

0531760000	SSP 3 SAKT1	B.150
0531760000	SSP 3 SAKT1	B.152
0531760000	SSP 3 SAKT1	B.154
0531760000	SSP 3 SAKT1	B.158
0531760000	SSP 3 SAKT1	B.160
0531760000	SSP 3 SAKT1	B.162

0540000000

0545300000	QB 58/8/9/WI	B.150
0545300000	QB 58/8/9/WI	B.154
0546000000	ISPF QB58 SW	B.150
0546000000	ISPF QB58 SW	B.154
0546900000	G 25/0.25A/M GE	A.171
0546900000	G 25/0.25A/M GE	A.284

0550000000

0553400000	MB M5/M3 SW	C.22
0556660000	SH 3	C.13

0560000000

0566700000	BEZ.-KARTE ADP	C.23

0570000000

0571300000	SSCH 6X6X1000 CU/SN	C.12

0620000000

0620120000	MK 6/6	A.319
0620220000	MK 6/4	A.319
0620320000	MK 6/3	A.319
0620420000	MK 6/2	A.319
0624720000	BK 2 CRN	A.320
0624920000	BK 3 CRN	A.320
0625120000	BK 4 CRN	A.320
0625220000	BK 6 CRN	A.320
0625320000	BK 12 CRN	A.320

0630000000

0635960000	KLBUE SH1	C.12
0636800000	FM 5/TS35	C.22
0636900000	FM 6/TS35	C.22

0640000000

0641720000	SH 2 S	C.13
0642600000	FKSC M6X8 D9/SW3	C.22
0646210000	MOFU 35/LO/1 SW	C.22
0646260000	MOFU 35/LO/1	C.22
0646400000	G 25/0.80A/M GR	A.171
0646400000	G 25/0.80A/M GR	A.284

0680000000

0687900000	FM 4/TS35	C.22

0690000000

0697160000	AKZ 2.5	A.222
0697180000	AKZ 2.5 BL	A.222
0697360000	AP AKZ2.5	A.222
0697380000	AP AKZ2.5 BL	A.222

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1007810000	ZP 2.5/2AN/QV	A.194
1007830000	ZP 2.5/2AN/QV GN	A.194
1007870000	ZP 2.5/2AN/QV ZA 0.RA	A.194
1007880000	ZP 2.5/2AN/QV ZA0.RA BL	A.194
1007900000	ZP 2.5/1AN/QV	A.194

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1007920000	ZP 2.5/1AN/QV GN	A.194
1007930000	ZP 2.5/1AN/QV ZA	A.194
1007950000	ZP 2.5/1AN/QV ZA GN	A.194
1007960000	ZP 2.5/1AN/QV ZA O.RA	A.194
1007970000	ZP 2.5/1AN/QV ZAO.RA BL	A.194
1007980000	ZP 2.5/1AN/QV ZAO.RA GN	A.194
1009060000	ZP 2.5/1AN/1 BL	A.194
1009070000	ZP 2.5/1AN ZA BL	A.194
1010000000		
1010000000	WPE 2.5	A.253
1010010000	WPE 2.5 WS	B.219
1010010000	WPE 2.5 WS	B.223
1010100000	WPE 4	A.255
1010200000	WPE 6	A.256
1010300000	WPE 10	A.257
1010400000	WPE 16	A.257
1010500000	WPE 35	A.258
1010500000	WPE 35	B.30
1010600000	WNT 2.5 10X3 BE	B.286
1010680000	WNT 2.5 10X3	B.286
1010780000	WNT 4 10X3	B.286
1010880000	WNT 6 10X3	B.287
1010900000	WNT 10 10X3 BE	B.287
1010980000	WNT 10 10X3	B.287
1011000000	WSI 6	A.269
1011300000	WSI 6/LD 10-36V DC/AC	A.270
1011320000	DEK 5/6 PLUS MC NE WS	A.14
1011320000	DEK 5/6 PLUS MC NE WS	A.15
1011320000	DEK 5/6 PLUS MC NE WS	A.34
1011320000	DEK 5/6 PLUS MC NE WS	A.35
1011320000	DEK 5/6 PLUS MC NE WS	A.40
1011320000	DEK 5/6 PLUS MC NE WS	A.43
1011320000	DEK 5/6 PLUS MC NE WS	A.44
1011320000	DEK 5/6 PLUS MC NE WS	A.49
1011320000	DEK 5/6 PLUS MC NE WS	A.62
1011320000	DEK 5/6 PLUS MC NE WS	A.63
1011320000	DEK 5/6 PLUS MC NE WS	A.64
1011320000	DEK 5/6 PLUS MC NE WS	A.65
1011320000	DEK 5/6 PLUS MC NE WS	A.67
1011320000	DEK 5/6 PLUS MC NE WS	B.111
1011320000	DEK 5/6 PLUS MC NE WS	B.112
1011320000	DEK 5/6 PLUS MC NE WS	B.115
1011320000	DEK 5/6 PLUS MC NE WS	B.221
1012200000	WSI 6/LD 30-70V DC/AC	A.270
1012300000	WSI 6/LD 60-150V DC/AC	A.270
1012400000	WSI 6/LD 250AC	A.270
1012600000	WPE 35/IKSC	A.259
1012600000	WPE 35/IKSC	B.31
1014000000	WSI 6/2 GZ/DEF63	A.271
1014100000	WSI 6/2/LD 10-36V DC/AC	A.272
1014200000	WSI 6/2/LD 30-70V DC/AC	A.272
1014300000	WSI 6/2/LD 60-150VDC/AC	A.272
1014400000	WSI 6/2/LD 250AC	A.272
1015800000	WDT 1.5/1 DB/GE	A.292
1015900000	WDT 1.5/2 DB/GE	A.292
1016000000	WDT 1.5/3 DB/GE	A.293
1016200000	WPE 2.5N	A.254
1016400000	WPE 2.5/1.5/ZR	A.253
1016500000	WPE 1.5/ZZ	A.252
1016700000	WTL 6/1	B.150
1016700000	WTL 6/1	B.151
1016900000	WTL 6/1/STB	B.151
1017100000	WTD 6/1	B.150
1017100000	WTD 6/1	B.151
1017900000	WTQ 6/1	B.152
1018100000	WTQ 6/1/STB	B.152
1019000000	WNT 16N 10X3	B.287
1019100000	WPE 16N	A.258
1019700000	WPE 120/150	A.261
1019700000	WPE 120/150	B.33
1020000000		
1020000000	WDU 2.5	A.222
1020080000	WDU 2.5 BL	A.222
1020100000	WDU 4	A.225
1020180000	WDU 4 BL	A.225
1020190000	WDU 4 GE/SW	B.228
1020200000	WDU 6	A.228
1020280000	WDU 6 BL	A.228
1020300000	WDU 10	A.230
1020380000	WDU 10 BL	A.230
1020400000	WDU 16	A.232
1020480000	WDU 16 BL	A.232
1020500000	WDU 35	A.234
1020500000	WDU 35	B.24
1020580000	WDU 35 BL	A.234
1020600000	WDU 35/IK	A.235
1020600000	WDU 35/IK	B.25
1020680000	WDU 35/IK BL	A.235
1021500000	WDK 2.5	A.242
1021580000	WDK 2.5 BL	A.242
1021600000	WDK 2.5 F	A.308
1021680000	WDK 2.5 F BL	A.308
1021700000	WDK 2.5 FF	A.309
1021800000	WDU 2.5 F 2X2.8	A.306
1021900000	WDU 2.5 FF 2X2.8	A.306

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1022300000	WDK 2.5V	A.243
1022380000	WDK 2.5V BL	A.243
1022400000	WDK 2.5 FV	A.308
1022600000	WDK 2.5 2D 2.A	A.316
1023100000	WDK 2.5/D/3	A.315
1023200000	WDK 2.5/D	A.317
1023300000	WDK 2.5 1D A.2	A.315
1023400000	WDK 2.5 1D A.1	A.314
1023500000	WDK 2.5 2D	A.316
1023600000	WDK 2.5 LD RT 24VDC +-	A.317
1023700000	WDU 2.5N	A.223
1023780000	WDU 2.5N BL	A.223
1023830000	ZTR 6-2	A.173
1024100000	WDU 2.5/TC TYP K	B.166
1024200000	WDU 2.5/TC TYP T	B.166
1024300000	WDU 2.5/TC TYP J	B.166
1024400000	WDU 2.5/TC TYP SR	B.166
1024500000	WDU 120/150	A.241
1024500000	WDU 120/150	B.28
1024580000	WDU 120/150 BL	A.241
1024580000	WDU 120/150 BL	B.28
1024600000	WDU 70/95	A.241
1024600000	WDU 70/95	B.27
1024680000	WDU 70/95 BL	A.241
1024680000	WDU 70/95 BL	B.27
1024700000	WDU 2.5/1.5/ZR	A.221
1024780000	WDU 2.5/1.5/ZR BL	A.221
1027000000	WDUL 4/10	A.313
1027300000	WDUL 4/100	A.313
1027400000	WDUL 4/500	A.313
1027410000	WDK 2.5/BLZ/5.08/ZA V	A.311
1027500000	WDUL 4/1K	A.313
1027550000	ZMAK 2.5 690V	A.129
1027550000	ZMAK 2.5 690V	B.91
1027600000	WDUL 4/5K	A.313
1027700000	WDUL 4/10K	A.313
1027800000	WDUL 4/50K	A.313
1027840000	WQL 4 WF10	A.350
1027840000	WQL 4 WF10	A.351
1027840000	WQL 4 WF10	A.360
1028000000	WDUL 4/500K	A.313
1028300000	WFF 35	A.354
1028380000	WFF 35 BL	A.354
1028400000	WFF 70	A.355
1028480000	WFF 70 BL	A.355
1028500000	WFF 120	A.355
1028580000	WFF 120 BL	A.355
1028600000	WFF 185	A.356
1028680000	WFF 185 BL	A.356
1028700000	WFF 300	A.357
1028800000	WDU 35/ZA	A.234
1028880000	WDU 35/ZA BL	A.234
1028900000	WDU 16/ZA	A.232
1028980000	WDU 16/ZA BL	A.232
1029000000	WDU 35/IK/ZA	A.235
1029100000	WDK 2.5/EX	A.245
1029300000	WFF 35/AH	A.354
1029400000	WFF 70/AH	A.355
1029500000	WFF 120/AH	A.355
1029600000	WFF 185/AH	A.356
1029700000	WFF 300/AH	A.357
1029800000	WDL 2.5/NT/L/PE	B.290
1029900000	WDL 2.5/N/L/PE	B.291
1030000000		
1030200000	WDL 2.5/L/L/PE	B.291
1030300000	WDL 2.5/L/L	B.290
1030600000	WDL 2.5/S/NT/L/PE	B.292
1030700000	WDL 2.5/S/N/L/PE	B.293
1031100000	WDL 2.5/S/L/L/PE	B.293
1031200000	WDL 2.5/S/L/L	B.292
1031300000	WDL 2.5/S/L	B.293
1031400000	WDU 1.5/ZZ	A.221
1031480000	WDU 1.5/ZZ BL	A.221
1033300000	WDU 2.5/TC TYP E	B.166
1033700000	WDU 2.5/TC TYP B	B.166
1034400000	WDK 2.5/BLZ/5.08/ZA	A.311
1036000000	WPO 4	A.312
1036100000	WDU 16N	A.233
1036180000	WDU 16N BL	A.233
1036300000	WDK 2.5PE	A.262
1036400000	WDK 2.5DU-PE	A.244
1037300000	WPE 70/95	A.261
1037300000	WPE 70/95	B.32
1039900000	WTR 2.5/ZZ	A.287
1039980000	WTR 2.5/ZZ BL	A.287
1040000000		
1040400000	WDU 35N	A.235
1040400000	WDU 35N	B.24
1040480000	WDU 35N BL	A.235
1040800000	WDU 2.5N ZQV	A.223
1040880000	WDU 2.5N ZQV BL	A.223
1041100000	WDK 2.5 ZQV	A.243
1041180000	WDK 2.5 ZQV BL	A.243
1041500000	WDU 2.5/TC TYP N	B.166
1041600000	WDK 2.5N	A.244

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1041650000	WDK 2.5N DU-PE	A.245
1041680000	WDK 2.5N BL	A.244
1041900000	WDK 4N	A.246
1041910000	WDK 4N V	A.247
1041920000	WDK 4N PE	A.263
1041980000	WDK 4N BL	A.246
1042400000	WDU 10/ZR	A.231
1042480000	WDU 10/ZR BL	A.231
1042500000	WPE 10/ZR	A.257
1042600000	WDU 4N	A.226
1042680000	WDU 4N BL	A.226
1042700000	WPE 4N	A.256
1045970000	WTR 35 E	B.235
1046350000	DEK 5/8 PLUS MC NE WS	A.16
1046350000	DEK 5/8 PLUS MC NE WS	A.35
1046350000	DEK 5/8 PLUS MC NE WS	A.36
1046350000	DEK 5/8 PLUS MC NE WS	B.98
1046350000	DEK 5/8 PLUS MC NE WS	B.99
1046350000	DEK 5/8 PLUS MC NE WS	B.100
1046350000	DEK 5/8 PLUS MC NE WS	B.101
1046350000	DEK 5/8 PLUS MC NE WS	B.130
1046350000	DEK 5/8 PLUS MC NE WS	B.131
1046350000	DEK 5/8 PLUS MC NE WS	B.132
1046350000	DEK 5/8 PLUS MC NE WS	B.133
1046350000	DEK 5/8 PLUS MC NE WS	B.134
1046350000	DEK 5/8 PLUS MC NE WS	B.135
1046350000	DEK 5/8 PLUS MC NE WS	B.221
1046370000	DEK 5/8 PLUS MC SDR	B.102
1046370000	DEK 5/8 PLUS MC SDR	B.103
1046370000	DEK 5/8 PLUS MC SDR	B.108
1046370000	DEK 5/8 PLUS MC SDR	B.109
1049220000	WFF 35 NFF	A.354
1049230000	WFF 70 NFF	A.355
1049240000	WFF 120 NFF	A.356
1049250000	WFF 185 NFF	A.357
1050000000		
1050000000	WAP 2.5-10	A.221
1050000000	WAP 2.5-10	A.222
1050000000	WAP 2.5-10	A.223
1050000000	WAP 2.5-10	A.225
1050000000	WAP 2.5-10	A.227
1050000000	WAP 2.5-10	A.228
1050000000	WAP 2.5-10	A.229
1050000000	WAP 2.5-10	A.230
1050000000	WAP 2.5-10	A.231
1050000000	WAP 2.5-10	A.252
1050000000	WAP 2.5-10	A.253
1050000000	WAP 2.5-10	A.265
1050000000	WAP 2.5-10	A.269
1050000000	WAP 2.5-10	A.270
1050000000	WAP 2.5-10	A.271
1050000000	WAP 2.5-10	A.272
1050000000	WAP 2.5-10	A.273
1050000000	WAP 2.5-10	A.274
1050000000	WAP 2.5-10	A.279
1050000000	WAP 2.5-10	A.280
1050000000	WAP 2.5-10	A.286
1050000000	WAP 2.5-10	A.287
1050000000	WAP 2.5-10	A.289
1050000000	WAP 2.5-10	A.290
1050000000	WAP 2.5-10	A.291
1050000000	WAP 2.5-10	A.306
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1050000000	WAP 2.5-10	B.166
1050000000	WAP 2.5-10	B.223
1050000000	WAP 2.5-10	B.228
1050000000	WAP 2.5-10	B.286
1050000000	WAP 2.5-10	B.287
1050000000	WAP 2.5-10	B.288
1050010000	WAP 2.5-10 SW	A.280
1050080000	WAP 2.5-10 BL	A.221
1050080000	WAP 2.5-10 BL	A.222
1050080000	WAP 2.5-10 BL	A.223
1050080000	WAP 2.5-10 BL	A.225
1050080000	WAP 2.5-10 BL	A.228
1050080000	WAP 2.5-10 BL	A.230
1050080000	WAP 2.5-10 BL	A.231
1050080000	WAP 2.5-10 BL	A.306
1050080000	WAP 2.5-10 BL	B.228
1050080000	WAP 2.5-10 BL	B.286
1050080000	WAP 2.5-10 BL	B.287
1050080000	WAP 2.5-10 BL	B.288
1050100000	WAP 16+35 WTW 2.5-10	A.221
1050100000	WAP 16+35 WTW 2.5-10	A.222
1050100000	WAP 16+35 WTW 2.5-10	A.223
1050100000	WAP 16+35 WTW 2.5-10	A.225
1050100000	WAP 16+35 WTW 2.5-10	A.227
1050100000	WAP 16+35 WTW 2.5-10	A.228
1050100000	WAP 16+35 WTW 2.5-10	A.229
1050100000	WAP 16+35 WTW 2.5-10	A.230
1050100000	WAP 16+35 WTW 2.5-10	A.231
1050100000	WAP 16+35 WTW 2.5-10	A.233
1050100000	WAP 16+35 WTW 2.5-10	A.234
1050100000	WAP 16+35 WTW 2.5-10	A.235

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1050100000	WAP 16+35 WTW 2.5-10	A.269
1050100000	WAP 16+35 WTW 2.5-10	A.270
1050100000	WAP 16+35 WTW 2.5-10	A.271
1050100000	WAP 16+35 WTW 2.5-10	A.272
1050100000	WAP 16+35 WTW 2.5-10	A.273
1050100000	WAP 16+35 WTW 2.5-10	A.274
1050100000	WAP 16+35 WTW 2.5-10	A.279
1050100000	WAP 16+35 WTW 2.5-10	A.280
1050100000	WAP 16+35 WTW 2.5-10	A.287
1050100000	WAP 16+35 WTW 2.5-10	A.289
1050100000	WAP 16+35 WTW 2.5-10	A.290
1050100000	WAP 16+35 WTW 2.5-10	A.291
1050100000	WAP 16+35 WTW 2.5-10	A.306
1050100000	WAP 16+35 WTW 2.5-10	A.313
1050100000	WAP 16+35 WTW 2.5-10	B.24
1050100000	WAP 16+35 WTW 2.5-10	B.25
1050100000	WAP 16+35 WTW 2.5-10	B.166
1050100000	WAP 16+35 WTW 2.5-10	B.228
1050100000	WAP 16+35 WTW 2.5-10	B.229
1050100000	WAP 16+35 WTW 2.5-10	B.230
1050180000	WAP 16+35 WTW 2.5-10 BL	A.221
1050180000	WAP 16+35 WTW 2.5-10 BL	A.222
1050180000	WAP 16+35 WTW 2.5-10 BL	A.223
1050180000	WAP 16+35 WTW 2.5-10 BL	A.225
1050180000	WAP 16+35 WTW 2.5-10 BL	A.228
1050180000	WAP 16+35 WTW 2.5-10 BL	A.230
1050180000	WAP 16+35 WTW 2.5-10 BL	A.232
1050180000	WAP 16+35 WTW 2.5-10 BL	A.233
1050180000	WAP 16+35 WTW 2.5-10 BL	A.234
1050180000	WAP 16+35 WTW 2.5-10 BL	A.235
1050180000	WAP 16+35 WTW 2.5-10 BL	A.306
1050180000	WAP 16+35 WTW 2.5-10 BL	B.24
1050180000	WAP 16+35 WTW 2.5-10 BL	B.25
1050180000	WAP 16+35 WTW 2.5-10 BL	B.228
1050180000	WAP 16+35 WTW 2.5-10 BL	B.229
1050180000	WAP 16+35 WTW 2.5-10 BL	B.230
1050280000	WHP 2.5-35N/10X3 BL	B.286
1050280000	WHP 2.5-35N/10X3 BL	B.287
1050280000	WHP 2.5-35N/10X3 BL	B.288
1051260000	WTA 5/1	A.229
1051260000	WTA 5/1	A.230
1051260000	WTA 5/1	A.231
1051260000	WTA 5/1	A.337
1051910000	ZP 4/1AN ZA O.RA	A.194
1051920000	ZP 4/1AN ZA O.RA GN	A.194
1051940000	ZP 4/1AN ZA	A.194
1051950000	ZP 4/1AN ZA GN	A.194
1051960000	WQV 4/2	A.225
1051960000	WQV 4/2	A.227
1051960000	WQV 4/2	A.330
1051960000	WQV 4/2	B.148
1051960000	WQV 4/2	B.228
1051970000	ZP 4/1AN	A.194
1051980000	ZP 4/1AN GN	A.194
1052060000	WQV 4/10	A.225
1052060000	WQV 4/10	A.227
1052060000	WQV 4/10	A.330
1052060000	WQV 4/10	B.148
1052060000	WQV 4/10	B.228
1052100000	KISC M3X5	A.269
1052100000	KISC M3X5	A.270
1052100000	KISC M3X5	A.271
1052100000	KISC M3X5	A.272
1052100000	KISC M3X5	A.274
1052260000	WQV 6/10	A.228
1052260000	WQV 6/10	A.229
1052260000	WQV 6/10	A.330
1052260000	WQV 6/10	B.152
1052260000	WQV 6/10	B.155
1052260000	WQV 6/10	B.156
1052260000	WQV 6/10	B.157
1052260000	WQV 6/10	B.159
1052260000	WQV 6/10	B.161
1052260000	WQV 6/10	B.163
1052360000	WQV 6/2	A.228
1052360000	WQV 6/2	A.229
1052360000	WQV 6/2	A.330
1052360000	WQV 6/2	B.152
1052360000	WQV 6/2	B.155
1052360000	WQV 6/2	B.156
1052360000	WQV 6/2	B.157
1052360000	WQV 6/2	B.159
1052360000	WQV 6/2	B.161
1052360000	WQV 6/2	B.163
1052460000	WQV 10/10	A.230
1052460000	WQV 10/10	A.231
1052460000	WQV 10/10	A.247
1052460000	WQV 10/10	A.248
1052460000	WQV 10/10	A.249
1052460000	WQV 10/10	A.250
1052460000	WQV 10/10	A.251
1052460000	WQV 10/10	A.263
1052460000	WQV 10/10	A.331
1052460000	WQV 10/10	B.92
1052560000	WQV 10/2	A.230
1052560000	WQV 10/2	A.231
1052560000	WQV 10/2	A.247
1052560000	WQV 10/2	A.248

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1052560000	WQV 10/2	A.251
1052560000	WQV 10/2	A.263
1052560000	WQV 10/2	A.331
1052560000	WQV 10/2	B.92
1052660000	ZTA ZDK 2.5	A.124
1052660000	ZTA ZDK 2.5	A.125
1052680000	ZTA ZDK 2.5/ZA	A.124
1052680000	ZTA ZDK 2.5/ZA	A.125
1053060000	WQV 35/2	A.234
1053060000	WQV 35/2	A.235
1053060000	WQV 35/2	A.331
1053060000	WQV 35/2	B.24
1053060000	WQV 35/2	B.25
1053060000	WQV 35/2	B.164
1053060000	WQV 35/2	B.165
1053060000	WQV 35/2	B.230
1053160000	WQV 35/10	A.234
1053160000	WQV 35/10	A.235
1053160000	WQV 35/10	A.331
1053160000	WQV 35/10	B.24
1053160000	WQV 35/10	B.25
1053160000	WQV 35/10	B.230
1053260000	WQV 16/2	A.232
1053260000	WQV 16/2	A.233
1053260000	WQV 16/2	A.331
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1053360000	WQV 16/10	A.331
1053360000	WQV 16/10	B.229
1053660000	WQV 2.5/2	A.221
1053660000	WQV 2.5/2	A.222
1053660000	WQV 2.5/2	A.223
1053660000	WQV 2.5/2	A.224
1053660000	WQV 2.5/2	A.242
1053660000	WQV 2.5/2	A.243
1053660000	WQV 2.5/2	A.244
1053660000	WQV 2.5/2	A.262
1053660000	WQV 2.5/2	A.298
1053660000	WQV 2.5/2	A.299
1053660000	WQV 2.5/2	A.306
1053660000	WQV 2.5/2	A.308
1053660000	WQV 2.5/2	A.309
1053660000	WQV 2.5/2	A.310
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1053760000	WQV 2.5/3	A.330
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1053960000	WQV 2.5/5	A.330
1054060000	WQV 2.5/6	A.330
1054160000	WQV 2.5/7	A.330
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1054360000	WQV 2.5/9	A.330
1054460000	WQV 2.5/10	A.221
1054460000	WQV 2.5/10	A.222
1054460000	WQV 2.5/10	A.223
1054460000	WQV 2.5/10	A.224
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1054460000	WQV 2.5/10	A.262
1054460000	WQV 2.5/10	A.298
1054460000	WQV 2.5/10	A.299
1054460000	WQV 2.5/10	A.306
1054460000	WQV 2.5/10	A.308
1054460000	WQV 2.5/10	A.309
1054460000	WQV 2.5/10	A.310
1054460000	WQV 2.5/10	A.314
1054460000	WQV 2.5/10	A.315
1054460000	WQV 2.5/10	A.316
1054460000	WQV 2.5/10	A.317
1054460000	WQV 2.5/10	A.330
1054460000	WQV 2.5/10	B.228
1054560000	WQV 4/3	A.330
1054560000	WQV 4/3	B.148
1054660000	WQV 4/4	A.330
1054660000	WQV 4/4	B.148
1054760000	WQV 6/3	A.330
1054760000	WQV 6/3	B.152
1054760000	WQV 6/3	B.155
1054760000	WQV 6/3	B.156
1054760000	WQV 6/3	B.157
1054760000	WQV 6/3	B.159
1054760000	WQV 6/3	B.161
1054760000	WQV 6/3	B.163
1054860000	WQV 6/4	A.330
1054860000	WQV 6/4	B.152
1054860000	WQV 6/4	B.155
1054860000	WQV 6/4	B.156
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1055360000	WQV 35/3	A.331
1055460000	WQV 35/4	A.331
1055960000	WAD 12 M.BL.	A.232
1055960000	WAD 12 M.BL.	A.233
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1055960000	WAD 12 M.BL.	A.235
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1056260000	WAD 12 NEUTRAL	A.232
1056260000	WAD 12 NEUTRAL	A.233
1056260000	WAD 12 NEUTRAL	A.234
1056260000	WAD 12 NEUTRAL	A.235
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1056400000	LS 2.8 WDU2.5-10	A.313
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1058520000	ZSI 2X6/4X2.5 FC	A.169
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1058800000	WTW EN	A.233
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1058800000	WTW EN	A.244
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1059000000	WEW 35/1	B.93
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1059000000	WEW 35/1	B.190
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1059000000	WEW 35/1	B.229
1059000000	WEW 35/1	B.230
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1059000000	WEW 35/1	B.232
1059000000	WEW 35/1	B.235
1059000000	WEW 35/1	C.13
1059000000	WEW 35/1	C.21
1059100000	WAP WDK2.5	A.242
1059100000	WAP WDK2.5	A.243
1059100000	WAP WDK2.5	A.244
1059100000	WAP WDK2.5	A.245
1059100000	WAP WDK2.5	A.262
1059100000	WAP WDK2.5	A.308
1059100000	WAP WDK2.5	A.309
1059100000	WAP WDK2.5	A.314
1059100000	WAP WDK2.5	A.315
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1059180000	WAP WDK2.5 BL	A.242
1059180000	WAP WDK2.5 BL	A.243
1059180000	WAP WDK2.5 BL	A.244
1059180000	WAP WDK2.5 BL	A.245
1059180000	WAP WDK2.5 BL	A.308
1059180000	WAP WDK2.5 BL	A.309
1059310000	ZAP ZSI2X6/4X2.5	A.169
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1060000000	WAP WDU2.5N/4N	A.256
1060080000	WAP WDU2.5N/4N BL	A.223
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1060100000	WQB-PEN 35	A.339
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1060200000	WQB-PEN 16	A.257
1060200000	WQB-PEN 16	A.339
1060300000	WQB-PEN 10	A.257
1060300000	WQB-PEN 10	A.339
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1061210000	WEW 35/2 SW	C.13
1061210000	WEW 35/2 SW	C.21
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1062660000	WQV 6/5	A.330
1062660000	WQV 6/5	B.159
1062660000	WQV 6/5	B.160
1062660000	WQV 6/5	B.162
1062670000	WQV 6/6	A.330
1062680000	WQV 6/7	A.330
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1063300000	WQV 120/2	A.241
1063300000	WQV 120/2	A.331
1063300000	WQV 120/2	B.28
1063400000	WQV 120/3	A.241
1063400000	WQV 120/3	A.331
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1063500000	WQV 70/95/2	A.241
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1063600000	WQV 70/95/3	A.241
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1063900000	WQV 16-2.5	A.333
1064000000	WQV 16-4/6	A.334
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1064200000	WQV 35-4/6	A.334
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1064760000	WAH 185/300 BE	A.356
1064760000	WAH 185/300 BE	A.357
1064760000	WAH 185/300 BE	A.361
1064900000	WQL 2 WFF35	A.354
1064900000	WQL 2 WFF35	A.360
1065000000	WQL 2 WFF70	A.355
1065000000	WQL 2 WFF70	A.360
1065100000	WQL 2 WFF120	A.355
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1065600000	WQL 3 WFF120	A.355
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1066100000	WZAD120	B.28
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1066200000	WZAF 70	A.350
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1066200000	WZAF 70	A.355
1066300000	WZAF 120	A.350
1066300000	WZAF 120	A.351
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1066500000	WZAF 300	A.357
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1067100000	WTW WFF35	A.360
1067200000	WTW WFF70	A.355
1067200000	WTW WFF70	A.360
1067300000	WTW WFF120	A.355
1067300000	WTW WFF120	A.356
1067300000	WTW WFF120	A.360
1067400000	WTW WFF185/300	A.356
1067400000	WTW WFF185/300	A.357
1067400000	WTW WFF185/300	A.360
1067490000	EMC-TIE	B.208
1067600000	WEW 32/1	C.21
1067700000	WAP WDL2.5/S	B.292
1067700000	WAP WDL2.5/S	B.293
1067800000	WAP WDL2.5	B.290
1067800000	WAP WDL2.5	B.291
1067980000	WHP WDL2.5/S BL	B.290
1067980000	WHP WDL2.5/S BL	B.291
1067980000	WHP WDL2.5/S BL	B.292
1067980000	WHP WDL2.5/S BL	B.293
1068000000	WQV 35-10	A.333
1068160000	WBB WDU1.5/BL...	A.310
1068260000	WBB ZA WDU1.5/BL 10/10	A.310
1068300000	WAP WTL6/1	B.150
1068300000	WAP WTL6/1	B.151
1068300000	WAP WTL6/1	B.152
1068400000	WTW WTL6/1 DB	B.151
1068400000	WTW WTL6/1 DB	B.152
1068400000	WTW WTL6/1 DB	B.155
1068400000	WTW WTL6/1 DB	B.156
1068400000	WTW WTL6/1 DB	B.157
1068700000	WSH 1	B.210

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1070000000	WAP WDK2.5/BLZ/0.ZA	A.311
1070100000	WAP WDK2.5/BLZ/M.ZA	A.311
1070500000	WZAF 35	A.349
1070500000	WZAF 35	A.352
1070500000	WZAF 35	A.354
1071010000	STB 21.6/IH/GE WTL6/3	B.146
1071010000	STB 21.6/IH/GE WTL6/3	B.147
1071020000	STB 21.6/IH/GN WTL6/3	B.146
1071020000	STB 21.6/IH/GN WTL6/3	B.147
1071030000	STB 21.6/IH/VI WTL6/3	B.146
1071030000	STB 21.6/IH/VI WTL6/3	B.147
1071040000	STB 21.6/IH/SW WTL6/3	B.146
1071080000	STB 21.6/IH/BL WTL6/3	B.146
1071080000	STB 21.6/IH/BL WTL6/3	B.147
1071100000	ZR WP04 DB	A.312
1071200000	SSCH 7.3X1.2X1000	A.312
1071360000	WQV 16N-PEN BL	A.258
1071360000	WQV 16N-PEN BL	A.339
1071500000	Q 2 WDL2.5S	A.332
1071500000	Q 2 WDL2.5S	B.290
1071500000	Q 2 WDL2.5S	B.291
1071500000	Q 2 WDL2.5S	B.292
1071500000	Q 2 WDL2.5S	B.293
1071600000	Q 3 WDL2.5S	A.332
1071600000	Q 3 WDL2.5S	B.290
1071600000	Q 3 WDL2.5S	B.291
1071600000	Q 3 WDL2.5S	B.292
1071600000	Q 3 WDL2.5S	B.293
1071700000	Q 4 WDL2.5S	A.332
1071700000	Q 4 WDL2.5S	B.290
1071700000	Q 4 WDL2.5S	B.291

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1071700000	Q 4 WDL2.5S	B.292
1071700000	Q 4 WDL2.5S	B.293
1071800000	Q 10 WDL2.5S	A.332
1071800000	Q 10 WDL2.5S	B.290
1071800000	Q 10 WDL2.5S	B.291
1071800000	Q 10 WDL2.5S	B.292
1071800000	Q 10 WDL2.5S	B.293
1071900000	EW 15/2	C.21
1072000000	WAD 4 GE BED	A.221
1072000000	WAD 4 GE BED	A.223
1072000000	WAD 4 GE BED	A.224
1072000000	WAD 4 GE BED	A.226
1072000000	WAD 4 GE BED	A.242
1072000000	WAD 4 GE BED	A.243
1072000000	WAD 4 GE BED	A.244
1072000000	WAD 4 GE BED	A.245
1072000000	WAD 4 GE BED	A.306
1072000000	WAD 4 GE BED	A.308
1072000000	WAD 4 GE BED	A.309
1072100000	WAD 4 WS	A.221
1072100000	WAD 4 WS	A.223
1072100000	WAD 4 WS	A.224
1072100000	WAD 4 WS	A.226
1072100000	WAD 4 WS	A.242
1072100000	WAD 4 WS	A.243
1072100000	WAD 4 WS	A.244
1072100000	WAD 4 WS	A.245
1072100000	WAD 4 WS	A.306
1072100000	WAD 4 WS	A.308
1072100000	WAD 4 WS	A.309
1072300000	WQV 70/95-PEN	A.261
1072300000	WQV 70/95-PEN	A.339
1072300000	WQV 70/95-PEN	B.32
1072400000	WQV 120-PEN	A.261
1072400000	WQV 120-PEN	A.339
1072400000	WQV 120-PEN	B.33
1072500000	WQV 16N-4/6	A.333
1072660000	WBB WDK2.5/BL5.08	A.311
1072760000	WBB ZA WDK2.5/BL5.08	A.311
1073100000	WQV 16N-2.5	A.333
1073200000	WAD 12N GE BED	A.233
1073200000	WAD 12N GE BED	B.229
1073290000	WAD 12N WS	A.233
1073290000	WAD 12N WS	B.229
1074200000	Q 20 WDL2.5S	A.332
1074200000	Q 20 WDL2.5S	B.290
1074200000	Q 20 WDL2.5S	B.291
1074200000	Q 20 WDL2.5S	B.292
1074200000	Q 20 WDL2.5S	B.293
1074600000	WAP WTR2.5/ZZ	A.287
1079200000	WQV 35N/2	A.235
1079200000	WQV 35N/2	A.330
1079200000	WQV 35N/2	B.24
1079200000	WQV 35N/2	B.230
1079300000	WQV 35N/3	A.330
1079400000	WQV 35N/4	A.235
1079400000	WQV 35N/4	A.330
1079400000	WQV 35N/4	B.24
1079400000	WQV 35N/4	B.230
1079500000	WQB PEN 35N	A.339
1079600000	WQB PEN 16N	A.339
1079700000	WQB PEN 70N	A.339
1079900000	WSH 4 MT	B.209

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1080100000	WSH 5	B.210
1080200000	WSH 6	B.210
1082400000	BFEH 1/WSH	B.211
1083100000	WSH 18 MT	B.211
1083200000	WSH 19 MT	B.211
1083600000	WAD 16N GE BED	A.235
1083600000	WAD 16N GE BED	B.24
1083600000	WAD 16N GE BED	B.230
1083900000	SMSE WSH U1 MT	B.211
1084000000	WAP WDK2.5/4 N	A.244
1084000000	WAP WDK2.5/4 N	A.245
1084000000	WAP WDK2.5/4 N	A.246
1084000000	WAP WDK2.5/4 N	A.247
1084000000	WAP WDK2.5/4 N	A.262
1084000000	WAP WDK2.5/4 N	A.263
1084080000	WAP WDK2.5/4 N BL	A.244
1084080000	WAP WDK2.5/4 N BL	A.245
1084080000	WAP WDK2.5/4 N BL	A.246
1084080000	WAP WDK2.5/4 N BL	A.247
1084080000	WAP WDK2.5/4 N BL	A.262
1084770000	ZDT 2.5/2 V	A.184

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1107680000	WT4 4AN/2	A.302
1107780000	WAP WT4/4AN/2	A.302
1107790000	WP4/1AN/1	A.302
1107790000	WP4/1AN/1	A.304
1107800000	WP4/1AN/10	A.302
1108490000	WP4/1AN/1 ZA	A.302
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1112910000	WAD 5 MC NE WS	B.130
1112910000	WAD 5 MC NE WS	B.132
1112910000	WAD 5 MC NE WS	B.134
1112910000	WAD 5 MC NE WS	B.228
1112920000	WAD 5 MC NE GE	A.222
1112920000	WAD 5 MC NE GE	A.223
1112920000	WAD 5 MC NE GE	A.225
1112920000	WAD 5 MC NE GE	B.228
1112940000	WAD 8 MC NE WS	A.228
1112940000	WAD 8 MC NE WS	A.230
1112940000	WAD 8 MC NE WS	A.247
1112940000	WAD 8 MC NE WS	A.248
1112940000	WAD 8 MC NE WS	A.249
1112940000	WAD 8 MC NE WS	A.250
1112940000	WAD 8 MC NE WS	A.251
1112940000	WAD 8 MC NE WS	A.263
1112940000	WAD 8 MC NE WS	B.92
1112940000	WAD 8 MC NE WS	B.168
1112950000	WAD 8 MC NE GE	A.228
1112950000	WAD 8 MC NE GE	A.230
1112950000	WAD 8 MC NE GE	A.247
1112950000	WAD 8 MC NE GE	A.248
1112950000	WAD 8 MC NE GE	A.249
1112950000	WAD 8 MC NE GE	A.250
1112950000	WAD 8 MC NE GE	A.251
1112950000	WAD 8 MC NE GE	A.263
1112950000	WAD 8 MC NE GE	B.92
1114720000	WDU 4/ZZ BL	A.225
1116710000	PS_ZQV_SET	A.214
1119700000	ZDK 4-2/2AN	A.135
1119790000	WSI 6/2/LD 250AC LLC	A.274
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1119810000	WSI 6/2/LD 30-70V LLC	A.274
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1131750000	ZDLD 2.5-2N/PE/L/L	A.127
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1137780000	WSI 25/1 10X38/LED 1KV	A.276
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1139570000	PPE 16S	B.263
1139580000	PDU 16S	B.262
1139910000	PAP PDU16S	B.262
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1142970000	WAD WMF2.5	B.194
1142980000	WBB WMF2.5 BLZ	B.194
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1142990000	AP WMF2.5	B.187
1142990000	AP WMF2.5	B.188
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1142990000	AP WMF2.5	B.190
1142990000	AP WMF2.5	B.191
1142990000	AP WMF2.5	B.194
1143000000	WMF 2.5 DI BLZ	B.189
1143010000	WMF 2.5 DI BLZ PE	B.190
1143020000	WMF 2.5 DI	B.186
1143030000	WMF 2.5 DI PE	B.187
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1162600000	WEW 35/1 SW	B.184
1162600000	WEW 35/1 SW	C.13
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1162610000	ZEW 35/2 SW	B.182
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1162610000	ZEW 35/2 SW	B.185
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1162820000	WMF 2.5 FU BLZ PE SW	B.191
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1162860000	WMF 2.5 FU BLZ PE 100-250V SW	B.191
1162920000	WMF 2.5 FU SW	B.188
1162930000	WMF 2.5 FU 10-36V SW	B.188
1162940000	WMF 2.5 FU 30-70V SW	B.188
1162950000	WMF 2.5 FU 60-150V SW	B.188
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1163000000	WMF 2.5 FU BLZ 30-70V SW	B.191
1163010000	WMF 2.5 FU BLZ 60-150V SW	B.191
1163020000	WMF 2.5 FU BLZ 100-250V SW	B.191
1163040000	WMF 2.5 FU PE SW	B.188
1163050000	WMF 2.5 FU PE 10-36V SW	B.188
1163060000	WMF 2.5 FU PE 30-70V SW	B.188
1163070000	WMF 2.5 FU PE 60-150V SW	B.188
1163080000	WMF 2.5 FU PE 100-250V SW	B.188
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1167630000	FUCR SW	B.186
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1167640000	FUCR 10-36V SW	B.186
1167640000	FUCR 10-36V SW	B.187
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1167640000	FUCR 10-36V SW	B.194
1167680000	FUCR 100-250V SW	B.186
1167680000	FUCR 100-250V SW	B.187
1167680000	FUCR 100-250V SW	B.188
1167680000	FUCR 100-250V SW	B.189
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1167890000	VREL 2 ZRV2.5/4	A.189
1167910000	VREL 8 ZRV2.5/4	A.189

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1173540000	BZT PRV16 SW 35X15	B.184
1173550000	BZT PRV16 SW 35X7.5	B.184
1173570000	BZT PRV8 SW 35X15	B.183
1173570000	BZT PRV8 SW 35X15	B.185
1173580000	BZT PRV8 SW 35X7.5	B.183
1173580000	BZT PRV8 SW 35X7.5	B.185
1173590000	BZT PRV4 SW 35X15	B.182
1173590000	BZT PRV4 SW 35X15	B.185
1173600000	BZT PRV4 SW 35X7.5	B.182
1173600000	BZT PRV4 SW 35X7.5	B.185
1173620000	PRV 16 SW 35X15 RT/WS	B.184
1173630000	TW PRV16	B.184
1173650000	PRV 16 SW 35X15 WS/RT	B.184
1173670000	TW PRV8	B.183
1173670000	TW PRV8	B.185
1173680000	PRV 16 SW 35X7.5 RT/WS	B.184
1173700000	TW PRV4	B.182
1173700000	TW PRV4	B.185
1173710000	PRV 16 SW 35X7.5 WS/RT	B.184
1173720000	PAP PRV/PPV8 SW	B.183
1173720000	PAP PRV/PPV8 SW	B.185
1173720000	PAP PRV/PPV8 SW	B.194
1173740000	PRV 8 SW 35X15 RT/WS	B.183
1173750000	PAP PRV/PPV4 SW	B.182
1173750000	PAP PRV/PPV4 SW	B.185
1173750000	PAP PRV/PPV4 SW	B.194
1173780000	PRV 8 SW 35X15 WS/RT	B.183
1173790000	PRV 8 SW 35X7.5 RT/WS	B.183
1173800000	PRV 8 SW 35X7.5 WS/RT	B.183
1173810000	PRV 4 SW 35X15 RT	B.182
1173820000	PRV 4 SW 35X15 WS	B.182
1173830000	PRV 4 SW 35X7.5 RT	B.182
1173840000	PRV 4 SW 35X7.5 WS	B.182
1173850000	PPV 8 GR 35X15 DGR	B.185
1173870000	PPV 8 GR 35X7.5 DGR	B.185
1173880000	PPV 4 GR 35X15 DGR	B.185
1173890000	PPV 4 GR 35X7.5 DGR	B.185
1173900000	PRV 8 BL 35X15 WS/RT	B.183
1173910000	PRV 8 BL 35X7.5 WS/RT	B.183
1173920000	PRV 4 BL 35X15 WS	B.182
1173930000	PRV 4 BL 35X7.5 WS	B.182

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1186630000	WDU 50N IR	A.236
1186630000	WDU 50N IR	B.26
1186720000	WAP WDK10	A.247
1186720000	WAP WDK10	A.248
1186720000	WAP WDK10	A.249
1186720000	WAP WDK10	A.250
1186720000	WAP WDK10	A.251
1186720000	WAP WDK10	A.263
1186720000	WAP WDK10	B.92
1186730000	WAP WDK10 BL	A.247
1186730000	WAP WDK10 BL	A.248
1186730000	WAP WDK10 BL	A.249
1186730000	WAP WDK10 BL	A.250
1186730000	WAP WDK10 BL	A.251
1186730000	WAP WDK10 BL	A.263
1186730000	WAP WDK10 BL	B.92
1186740000	WDK 10	A.247
1186750000	WDK 10 BL	A.247
1186770000	WDK 10 V	A.248
1186780000	WDK 10 V BL	A.248

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1208970000	WS 7.8/9.2 PLUS MC NE GR	A.17
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.18
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.19
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.36
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.37
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.106
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.182
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.183
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.184
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.185
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.221
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.245
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.247
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.249

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1210410000	ZAP ZVLD 2.5	A.128
1211450000	PAP PRV/PPV4 GR	B.182
1211450000	PAP PRV/PPV4 GR	B.185
1211450000	PAP PRV/PPV4 GR	B.194
1211460000	PAP PRV/PPV8 GR	B.183
1211460000	PAP PRV/PPV8 GR	B.185
1211460000	PAP PRV/PPV8 GR	B.194
1216230000	HBT 6,0 - 4,6 GE	A.229
1216230000	HBT 6,0 - 4,6 GE	A.231
1216230000	HBT 6,0 - 4,6 GE	B.161
1216230000	HBT 6,0 - 4,6 GE	B.163

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1224870000	FUSE 1KV DC 2A 10/38	A.276
1224870000	FUSE 1KV DC 2A 10/38	A.285
1224880000	FUSE 1KV DC 4A 10/38	A.276
1224880000	FUSE 1KV DC 4A 10/38	A.285
1224890000	FUSE 1KV DC 6A 10/38	A.276
1224890000	FUSE 1KV DC 6A 10/38	A.285
1224910000	FUSE 1KV DC 10A 10/38	A.276
1224910000	FUSE 1KV DC 10A 10/38	A.285
1224920000	FUSE 1KV DC 12A 10/38	A.276
1224920000	FUSE 1KV DC 12A 10/38	A.285
1224930000	FUSE 1KV DC 16A 10/38	A.276
1224930000	FUSE 1KV DC 16A 10/38	A.285
1224950000	FUSE 1KV DC 20A 10/38	A.276
1224950000	FUSE 1KV DC 20A 10/38	A.285
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1227890000	WEW 35/1 GR	C.13
1227890000	WEW 35/1 GR	C.21

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1230050000	TW PRV4 1-4	B.182
1230050000	TW PRV4 1-4	B.185
1230060000	TW PRV4 0-3	B.182
1230060000	TW PRV4 0-3	B.185
1230070000	TW PRV4 A-D	B.182
1230070000	TW PRV4 A-D	B.185
1230080000	TW PRV8 1-8	B.183
1230080000	TW PRV8 1-8	B.185
1230090000	TW PRV8 0-7	B.183
1230090000	TW PRV8 0-7	B.185
1230110000	TW PRV8 A-H	B.183
1230110000	TW PRV8 A-H	B.185
1230120000	TW PRV16 1-16	B.184
1230130000	TW PRV16 0-15	B.184
1230140000	TW PRV16 A-P	B.184
1231330000	WTR 4/ZZ STB BL	A.288
1233330000	HBT 2,5 - 4,6 BL	A.229
1233330000	HBT 2,5 - 4,6 BL	A.231
1233330000	HBT 2,5 - 4,6 BL	B.161
1233330000	HBT 2,5 - 4,6 BL	B.163
1233340000	HBT 1,5 - 4,6 RT	A.229
1233340000	HBT 1,5 - 4,6 RT	A.231
1233340000	HBT 1,5 - 4,6 RT	B.161
1233340000	HBT 1,5 - 4,6 RT	B.163
1238040000	ZEW 35 GR	C.21
1238880000	WAP WTL6 SL 4-6	B.161
1238880000	WAP WTL6 SL 4-6	B.163
1238920000	WTD 6 SL O.STB	B.160
1238920000	WTD 6 SL O.STB	B.161
1238930000	WTL 6 SL O.STB	B.160
1238930000	WTL 6 SL O.STB	B.161

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1246990000	SMSE WSH 135/60 MT	B.211
1247290000	WDK 2.5/TR-DU	A.298
1247310000	WDK 2.5/TR-DU STB	A.298
1247420000	WDK 2.5/TR-DU-PE	A.299
1247430000	WDK 2.5/TR-DU-PE STB	A.299

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1252530000	KLBUE 3-8 FM4	B.207
1255010000	GWHUE M3 WTL6	B.160
1255010000	GWHUE M3 WTL6	B.161
1255010000	GWHUE M3 WTL6	B.162
1255010000	GWHUE M3 WTL6	B.163

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1265990000	ZSI 2X6/4X2.5	A.170
1267790000	PRV 16 BL 35X15 RT/WS	B.184
1267800000	PRV 16 BL 35X15 WS/RT	B.184
1267810000	PRV 16 BL 35X7.5 RT/WS	B.184
1267820000	PRV 16 BL 35X7.5 WS/RT	B.184
1267830000	PRV 8 BL 35X15 RT/WS	B.183
1267840000	PRV 8 BL 35X7.5 RT/WS	B.183
1267870000	PPV 8 BL 35X15 DGR	B.185
1267880000	PPV 8 BL 35X7.5 DGR	B.185
1267890000	PRV 4 BL 35X15 RT	B.182
1267900000	PRV 4 BL 35X7.5 RT	B.182
1267910000	PPV 4 BL 35X15 DGR	B.185
1267920000	PPV 4 BL 35X7.5 DGR	B.185
1267930000	BZT PRV16 BL 35X15	B.184
1267940000	BZT PRV16 BL 35X7.5	B.184
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1267970000	BZT PRV8 BL 35X7.5	B.185
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1268010000	PAP PRV/PPV4 BL	B.185
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1278760000	ETA 1170 21 6A	A.169
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1278780000	ETA 1170 21 8A	A.169
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1278810000	ETA 1170 21 15A	A.169
1278820000	ETA 1170 21 20A	A.169
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1278850000	ETA 1180 01 0.2A	A.168
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1278860000	ETA 1180 01 0.25A	A.168
1278860000	ETA 1180 01 0.25A	A.170
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1278910000	ETA 1180 01 0.5A	A.168
1278910000	ETA 1180 01 0.5A	A.170
1278920000	ETA 1180 01 0.6A	A.168
1278920000	ETA 1180 01 0.6A	A.170
1278930000	ETA 1180 01 0.7A	A.168
1278930000	ETA 1180 01 0.7A	A.170
1278940000	ETA 1180 01 0.8A	A.168
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1278970000	ETA 1180 01 2A	A.168
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1283480000	TS END CAP 35X15	B.22
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1301640000	PPV 8 OR 35X7.5 DGR	B.185
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1304720000	ZT 2.5/3AN/1 BL	A.178
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1312700000	Q 4 DLI	B.176
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1527690000	ZQV 2.5N/10	A.73
1527690000	ZQV 2.5N/10	A.74
1527690000	ZQV 2.5N/10	A.75
1527690000	ZQV 2.5N/10	A.82
1527690000	ZQV 2.5N/10	A.90
1527690000	ZQV 2.5N/10	A.221
1527690000	ZQV 2.5N/10	A.222
1527690000	ZQV 2.5N/10	A.223
1527690000	ZQV 2.5N/10	A.243
1527690000	ZQV 2.5N/10	A.244
1527690000	ZQV 2.5N/10	A.245
1527690000	ZQV 2.5N/10	A.279
1527690000	ZQV 2.5N/10	A.286
1527690000	ZQV 2.5N/10	A.287
1527690000	ZQV 2.5N/10	A.300
1527690000	ZQV 2.5N/10	A.301
1527690000	ZQV 2.5N/10	A.310
1527690000	ZQV 2.5N/10	A.326
1527690000	ZQV 2.5N/10	B.90
1527690000	ZQV 2.5N/10	B.228
1527720000	ZQV 2.5N/20	A.90
1527720000	ZQV 2.5N/20	A.326
1527730000	ZQV 2.5N/50	A.90
1527740000	ZQV 2.5N/2 BL	A.90
1527740000	ZQV 2.5N/2 BL	A.326
1527740000	ZQV 2.5N/2 BL	B.104
1527740000	ZQV 2.5N/2 BL	B.105
1527740000	ZQV 2.5N/2 BL	B.106
1527740000	ZQV 2.5N/2 BL	B.107
1527770000	ZQV 2.5N/3 BL	A.90
1527770000	ZQV 2.5N/3 BL	A.326
1527780000	ZQV 2.5N/4 BL	A.90
1527780000	ZQV 2.5N/4 BL	A.326
1527790000	ZQV 2.5N/5 BL	A.90
1527790000	ZQV 2.5N/5 BL	A.326
1527820000	ZQV 2.5N/6 BL	A.90
1527820000	ZQV 2.5N/6 BL	A.326
1527830000	ZQV 2.5N/7 BL	A.90
1527830000	ZQV 2.5N/7 BL	A.326
1527840000	ZQV 2.5N/8 BL	A.90
1527840000	ZQV 2.5N/8 BL	A.326
1527870000	ZQV 2.5N/9 BL	A.90
1527870000	ZQV 2.5N/9 BL	A.326
1527880000	ZQV 2.5N/10 BL	A.90
1527880000	ZQV 2.5N/10 BL	A.326
1527880000	ZQV 2.5N/10 BL	B.104
1527880000	ZQV 2.5N/10 BL	B.105
1527880000	ZQV 2.5N/10 BL	B.106
1527880000	ZQV 2.5N/10 BL	B.107
1527890000	ZQV 2.5N/20 BL	A.90
1527890000	ZQV 2.5N/20 BL	A.326
1527920000	ZQV 2.5N/50 BL	A.90
1527930000	ZQV 4N/2	A.14
1527930000	ZQV 4N/2	A.15
1527930000	ZQV 4N/2	A.19
1527930000	ZQV 4N/2	A.27
1527930000	ZQV 4N/2	A.28
1527930000	ZQV 4N/2	A.43
1527930000	ZQV 4N/2	A.44
1527930000	ZQV 4N/2	A.49
1527930000	ZQV 4N/2	A.62
1527930000	ZQV 4N/2	A.63
1527930000	ZQV 4N/2	A.64
1527930000	ZQV 4N/2	A.65
1527930000	ZQV 4N/2	A.90
1527930000	ZQV 4N/2	A.225
1527930000	ZQV 4N/2	A.226
1527930000	ZQV 4N/2	A.227
1527930000	ZQV 4N/2	A.246
1527930000	ZQV 4N/2	A.247
1527930000	ZQV 4N/2	A.280
1527930000	ZQV 4N/2	A.288
1527930000	ZQV 4N/2	A.289
1527930000	ZQV 4N/2	A.290
1527930000	ZQV 4N/2	A.291
1527930000	ZQV 4N/2	A.302
1527930000	ZQV 4N/2	A.326
1527930000	ZQV 4N/2	B.228
1527930000	ZQV 4N/2	B.254
1527930000	ZQV 4N/2	B.255
1527940000	ZQV 4N/3	A.90
1527940000	ZQV 4N/3	A.326
1527940000	ZQV 4N/3	B.254
1527940000	ZQV 4N/3	B.255
1527970000	ZQV 4N/4	A.90
1527970000	ZQV 4N/4	A.326
1527970000	ZQV 4N/4	B.254
1527970000	ZQV 4N/4	B.255

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1527980000	ZQV 4N/5	A.90
1527980000	ZQV 4N/5	A.326
1527990000	ZQV 4N/6	A.90
1527990000	ZQV 4N/6	A.326
1528020000	ZQV 4N/7	A.90
1528020000	ZQV 4N/7	A.326
1528030000	ZQV 4N/8	A.90
1528030000	ZQV 4N/8	A.326
1528040000	ZQV 4N/2 BL	A.90
1528040000	ZQV 4N/2 BL	A.326
1528040000	ZQV 4N/2 BL	B.110
1528040000	ZQV 4N/2 BL	B.111
1528040000	ZQV 4N/2 BL	B.112
1528040000	ZQV 4N/2 BL	B.114
1528040000	ZQV 4N/2 BL	B.115
1528070000	ZQV 4N/9	A.90
1528070000	ZQV 4N/9	A.326
1528080000	ZQV 4N/3 BL	A.90
1528080000	ZQV 4N/3 BL	A.326
1528090000	ZQV 4N/10	A.14
1528090000	ZQV 4N/10	A.15
1528090000	ZQV 4N/10	A.19
1528090000	ZQV 4N/10	A.27
1528090000	ZQV 4N/10	A.28
1528090000	ZQV 4N/10	A.43
1528090000	ZQV 4N/10	A.44
1528090000	ZQV 4N/10	A.49
1528090000	ZQV 4N/10	A.62
1528090000	ZQV 4N/10	A.63
1528090000	ZQV 4N/10	A.64
1528090000	ZQV 4N/10	A.65
1528090000	ZQV 4N/10	A.90
1528090000	ZQV 4N/10	A.225
1528090000	ZQV 4N/10	A.226
1528090000	ZQV 4N/10	A.227
1528090000	ZQV 4N/10	A.246
1528090000	ZQV 4N/10	A.247
1528090000	ZQV 4N/10	A.280
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1528090000	ZQV 4N/10	A.289
1528090000	ZQV 4N/10	A.290
1528090000	ZQV 4N/10	A.291
1528090000	ZQV 4N/10	A.302
1528090000	ZQV 4N/10	A.326
1528090000	ZQV 4N/10	B.228
1528090000	ZQV 4N/10	B.254
1528090000	ZQV 4N/10	B.255
1528120000	ZQV 4N/4 BL	A.90
1528120000	ZQV 4N/4 BL	A.326
1528130000	ZQV 4N/50	A.90
1528140000	ZQV 4N/5 BL	A.90
1528140000	ZQV 4N/5 BL	A.326
1528170000	ZQV 4N/6 BL	A.90
1528170000	ZQV 4N/6 BL	A.326
1528180000	ZQV 4N/7 BL	A.90
1528180000	ZQV 4N/7 BL	A.326
1528190000	ZQV 4N/8 BL	A.90
1528190000	ZQV 4N/8 BL	A.326
1528220000	ZQV 4N/9 BL	A.90
1528220000	ZQV 4N/9 BL	A.326
1528230000	ZQV 4N/10 BL	A.90
1528230000	ZQV 4N/10 BL	A.326
1528230000	ZQV 4N/10 BL	B.110
1528230000	ZQV 4N/10 BL	B.111
1528230000	ZQV 4N/10 BL	B.112
1528230000	ZQV 4N/10 BL	B.114
1528230000	ZQV 4N/10 BL	B.115
1528240000	ZQV 4N/50 BL	A.90

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1545710000	BLZ/SL KO BK BX	B.192
1547490000	EBB 25-50/16	B.218
1547500000	JB 25-50	B.218
1547610000	A2T 2.5	A.24
1547610000	A2T 2.5	A.85
1547620000	A2T 2.5 BL	A.24
1547640000	A2T 2.5 FT-PE	A.25
1547650000	A2T 2.5 VL	A.25
1547660000	A2T 2.5 VL BL	A.25
1547680000	A2T 2.5 PE	A.39
1547680000	A2T 2.5 PE	A.85
1547690000	AEP 2T 2.5	A.24
1547690000	AEP 2T 2.5	A.25
1547690000	AEP 2T 2.5	A.26
1547690000	AEP 2T 2.5	A.27
1547690000	AEP 2T 2.5	A.39
1547690000	AEP 2T 2.5	A.60
1547690000	AEP 2T 2.5	A.61
1547690000	AEP 2T 2.5	A.72
1547690000	AEP 2T 2.5	A.73
1547690000	AEP 2T 2.5	A.74
1547690000	AEP 2T 2.5	A.75
1547700000	AEP 2T 2.5 BL	A.24
1547700000	AEP 2T 2.5 BL	A.25
1547700000	AEP 2T 2.5 BL	A.26
1547700000	AEP 2T 2.5 BL	A.27
1547700000	AEP 2T 2.5 BL	A.60
1547700000	AEP 2T 2.5 BL	A.61

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1548060000	APGTB 2.5 2T 4C/2	A.85
1548070000	APGTB 2.5 2T 4C/2 BL	A.60
1548130000	APGTB 2.5 2T FT-PE 4C/2	A.61
1548140000	APGTB 2.5 2T VL 4C/2	A.61
1548150000	APGTB 2.5 2T VL 4C/2 BL	A.61
1548160000	APGTB 2.5 2T PE 4C/2	A.61
1548160000	APGTB 2.5 2T PE 4C/2	A.85

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1552600000	AEP 2C 1.5	A.32
1552600000	AEP 2C 1.5	A.54
1552610000	AEP 2C 1.5 BL	A.12
1552610000	AEP 2C 1.5 BL	A.54
1552620000	AEP 3C 1.5	A.12
1552620000	AEP 3C 1.5	A.32
1552620000	AEP 3C 1.5	A.55
1552630000	AEP 3C 1.5 BL	A.12
1552630000	AEP 3C 1.5 BL	A.55
1552640000	AEP 4C 1.5	A.13
1552640000	AEP 4C 1.5	A.33
1552650000	AEP 4C 1.5 BL	A.13
1552660000	A4C 1.5 PE	A.33
1552660000	A4C 1.5 PE	A.85
1552670000	A3C 1.5 PE	A.32
1552670000	A3C 1.5 PE	A.85
1552680000	A2C 1.5 PE	A.32
1552680000	A2C 1.5 PE	A.85
1552690000	A4C 1.5	A.13
1552690000	A4C 1.5	A.85
1552690000	A4C 1.5	A.96
1552700000	A4C 1.5 BL	A.13
1552700000	A4C 1.5 BL	A.96
1552720000	A4C 1.5 OR	A.96
1552740000	A3C 1.5	A.12
1552740000	A3C 1.5	A.85
1552740000	A3C 1.5	A.96
1552770000	A3C 1.5 BL	A.12
1552770000	A3C 1.5 BL	A.96
1552780000	A3C 1.5 OR	A.96
1552790000	A2C 1.5	A.12
1552790000	A2C 1.5	A.85
1552790000	A2C 1.5	A.96
1552820000	A2C 1.5 BL	A.12
1552820000	A2C 1.5 BL	A.96
1552830000	A2C 1.5 OR	A.96

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1560670000	WPD 101 2X25/2X16 BL	B.54
1560730000	WPD 101 2X25/2X16 GY	B.54
1561100000	WPD 101 2X25/2X16 BK	B.54
1561120000	WPD 101 2X25/2X16 BN	B.54
1561130000	WPD 301 2X25/2X16 3XGY	B.54
1561620000	WPD 202 4X35/4X25 GN	B.60
1561630000	WPD 102 2X35/2X25 BK	B.58
1561640000	WPD 102 2X35/2X25 BL	B.58
1561650000	WPD 102 2X35/2X25 BN	B.58
1561670000	WPD 102 2X35/2X25 GN	B.58
1561680000	WPD 102 2X35/2X25 GY	B.58
1561690000	WPD 202 4X35/4X25 BK	B.60
1561700000	WPD 202 4X35/4X25 BL	B.60
1561720000	WPD 202 4X35/4X25 BN	B.60
1561730000	WPD 202 4X35/4X25 GY	B.60
1561740000	WPD 302 2X35/2X25 3XGY	B.58
1561750000	WPD 501 2X25/2X16 5XGY	B.55
1561770000	WPD 103 2X70/2X50 GY	B.62
1561780000	WPD 103 2X70/2X50 BL	B.62
1561790000	WPD 103 2X70/2X50 GN	B.62
1561800000	WPD 401 2X25/2X16 4XGY	B.55
1561820000	WPD 103 2X70/2X50 BN	B.62
1561830000	WPD 103 2X70/2X50 BK	B.62
1561900000	WQB WPD X08-09/2	B.76
1561900000	WQB WPD X08-09/2	B.78
1561910000	WPD 100 2X25/6X10 GY	B.50
1561920000	WPD 100 2X25/6X10 BL	B.50
1561930000	WPD 100 2X25/6X10 GN	B.50
1561940000	WQB WPD X06/2	B.72
1561960000	WQB WPD X05/2	B.68
1561970000	WQB WPD X05/3	B.68
1561980000	WQB WPD X04/2	B.64
1561990000	WQB WPD X04/3	B.64
1562000000	WPD 104 1X25+1X16/2X16+3X10 GY	B.64
1562090000	WPD 109 1X185/2X35+3X25+4X16 GY	B.78
1562100000	WPD 108 1X120/2X35+3X25+4X16 GY	B.76
1562130000	WPD 401 2X25/2X16 3XGY/1XBL	B.55
1562140000	WPD 501 2X25/2X16 1XGN/3XGY/1XBL	B.55
1562150000	WPD 204 2X25/4X16+6X10 2XGY	B.64
1562160000	WPD 304 3X25/6X16+9X10 3XGY	B.65
1562170000	WPD 105 1X35+1X16/2X25+3X16 GY	B.68
1562180000	WPD 205 2X35/4X25+6X16 2XGY	B.68
1562190000	WPD 305 3X35/6X25+9X16 3XGY	B.69
1562210000	WPD 106 1X70/2X25+3X16 GY	B.72
1562220000	WPD 107 1X95/2X35+8X25 GY	B.74
1563900000	WD 1 25 K KARTE A 6 ST	A.354
1563900000	WD 1 25 K KARTE A 6 ST	A.355
1563900000	WD 1 25 K KARTE A 6 ST	A.356
1563900000	WD 1 25 K KARTE A 6 ST	A.357
1563900000	WD 1 25 K KARTE A 6 ST	A.361

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1577320000	WAP WDU1.5/BLZ/ZA	A.310
1577330000	WAP WDU1.5/BLZ	A.310
1577340000	WDU 1.5/BLZ 5.08	A.310
1577400000	WAD WDU1.5/BLZ/BLA	A.311
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1604200000	SSP WTL6/2	B.158
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1604280000	WKB 1/2	B.159
1604290000	WKS 1/3	B.159
1604300000	WKB 1/3	B.159
1604310000	WKS 1/4	B.159
1604320000	WKB 1/4	B.152
1604320000	WKB 1/4	B.159
1604330000	WKB 1/10	B.159
1607720000	ESO 7 DIN A4 WS	A.183
1607720000	ESO 7 DIN A4 WS	A.191
1608510000	ZDU 2.5	A.108
1608520000	ZDU 2.5 BL	A.108
1608540000	ZDU 2.5/3AN	A.108
1608550000	ZDU 2.5/3AN BL	A.108
1608570000	ZDU 2.5/4AN	A.109
1608580000	ZDU 2.5/4AN BL	A.109
1608600000	ZDU 2.5/2X2AN	A.109
1608610000	ZDU 2.5/2X2AN BL	A.109
1608620000	ZDU 6	A.111
1608630000	ZDU 6 BL	A.111
1608640000	ZPE 2.5	A.140
1608650000	ZPE 2.5/3AN	A.141
1608660000	ZPE 2.5/4AN	A.141
1608670000	ZPE 6	A.143
1608740000	ZAP/TW 1	A.108
1608740000	ZAP/TW 1	A.140
1608740000	ZAP/TW 1	A.172
1608740000	ZAP/TW 1	B.148
1608750000	ZAP/TW 1 BL	A.108
1608770000	ZAP/TW 2 DB	A.108
1608770000	ZAP/TW 2 DB	A.141
1608780000	ZAP/TW 2 BL	A.108
1608800000	ZAP/TW 3	A.109
1608800000	ZAP/TW 3	A.141
1608800000	ZAP/TW 3	A.156
1608800000	ZAP/TW 3	A.157
1608800000	ZAP/TW 3	A.158
1608800000	ZAP/TW 3	A.172
1608800000	ZAP/TW 3	A.173
1608800000	ZAP/TW 3	A.198
1608800000	ZAP/TW 3	A.199
1608810000	ZAP/TW 3 BL	A.109
1608830000	ZAP/TW 5	A.111
1608830000	ZAP/TW 5	A.143
1608840000	ZAP/TW 5 BL	A.111
1608860000	ZQV 2.5/2	A.108
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1608860000	ZQV 2.5/2	A.202
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1608880000	ZQV 2.5/4	B.268
1608880000	ZQV 2.5/4	B.269
1608880000	ZQV 2.5/4	B.270
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1608880000	ZQV 2.5/4	B.272
1608880000	ZQV 2.5/4	B.273
1608880000	ZQV 2.5/4	B.278
1608880000	ZQV 2.5/4	B.282
1608890000	ZQV 2.5/5	A.210
1608900000	ZQV 2.5/6	A.210
1608910000	ZQV 2.5/7	A.210
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1608940000	ZQV 2.5/10	A.189
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1608940000	ZQV 2.5/10	A.203
1608940000	ZQV 2.5/10	A.204
1608940000	ZQV 2.5/10	A.205
1608940000	ZQV 2.5/10	A.210
1608940000	ZQV 2.5/10	B.174
1608940000	ZQV 2.5/10	B.175
1608940000	ZQV 2.5/10	B.264
1608940000	ZQV 2.5/10	B.266
1608940000	ZQV 2.5/10	B.267
1608940000	ZQV 2.5/10	B.268
1608940000	ZQV 2.5/10	B.269
1608940000	ZQV 2.5/10	B.270
1608940000	ZQV 2.5/10	B.271
1608940000	ZQV 2.5/10	B.272
1608940000	ZQV 2.5/10	B.273
1608940000	ZQV 2.5/10	B.278
1608940000	ZQV 2.5/10	B.282
1608950000	ZQV 4/2 GE	A.110
1608950000	ZQV 4/2 GE	A.111
1608950000	ZQV 4/2 GE	A.117
1608950000	ZQV 4/2 GE	A.118
1608950000	ZQV 4/2 GE	A.133
1608950000	ZQV 4/2 GE	A.134
1608950000	ZQV 4/2 GE	A.162
1608950000	ZQV 4/2 GE	A.164
1608950000	ZQV 4/2 GE	A.166
1608950000	ZQV 4/2 GE	A.167
1608950000	ZQV 4/2 GE	A.180
1608950000	ZQV 4/2 GE	A.204
1608950000	ZQV 4/2 GE	A.205
1608950000	ZQV 4/2 GE	A.210
1608950000	ZQV 4/2 GE	B.278
1608950000	ZQV 4/2 GE	B.282
1608960000	ZQV 4/3 GE	A.210
1608960000	ZQV 4/3 GE	A.278
1608960000	ZQV 4/3 GE	B.282
1608970000	ZQV 4/4 GE	A.210
1608970000	ZQV 4/4 GE	B.278
1608970000	ZQV 4/4 GE	B.282
1608980000	ZQV 4/5 GE	A.210
1608990000	ZQV 4/6 GE	A.210
1609000000	ZQV 4/7 GE	A.210
1609010000	ZQV 4/8 GE	A.210
1609020000	ZQV 4/9 GE	A.210
1609030000	ZQV 4/10 GE	A.110
1609030000	ZQV 4/10 GE	A.111
1609030000	ZQV 4/10 GE	A.117
1609030000	ZQV 4/10 GE	A.118
1609030000	ZQV 4/10 GE	A.133
1609030000	ZQV 4/10 GE	A.134
1609030000	ZQV 4/10 GE	A.204
1609030000	ZQV 4/10 GE	A.205
1609030000	ZQV 4/10 GE	A.210
1609030000	ZQV 4/10 GE	B.278
1609030000	ZQV 4/10 GE	B.282
1609040000	ZTA 1	A.108
1609040000	ZTA 1	A.109
1609040000	ZTA 1	A.129
1609040000	ZTA 1	A.140
1609040000	ZTA 1	A.141
1609040000	ZTA 1	A.172
1609040000	ZTA 1	A.212
1609040000	ZTA 1	B.91
1609050000	ZTA 1/ZA	A.108
1609050000	ZTA 1/ZA	A.109
1609050000	ZTA 1/ZA	A.140
1609050000	ZTA 1/ZA	A.141
1609050000	ZTA 1/ZA	A.172
1609050000	ZTA 1/ZA	A.212
1609050000	ZTA 1/ZA	B.222
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1609060000	ZTA 2 ZDU4	A.111
1609060000	ZTA 2 ZDU4	A.141
1609060000	ZTA 2 ZDU4	A.142
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1609070000	ZTA 2/ZA ZDU4	A.110
1609070000	ZTA 2/ZA ZDU4	A.111
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1609070000	ZTA 2/ZA ZDU4	A.142
1609070000	ZTA 2/ZA ZDU4	A.212
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1609110000	ZAD 1/4	A.109
1609110000	ZAD 1/4	A.117
1609110000	ZAD 1/4	A.118
1609110000	ZAD 1/4	A.133
1609110000	ZAD 1/4	A.134
1609110000	ZAD 1/4	A.135
1609120000	ZAD 3/4	A.107
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1609860000	WS 12/5 MC NE WS	A.125
1609860000	WS 12/5 MC NE WS	A.126
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1609880000	WS 15/5 MC NE WS	A.113
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1609920000	WS 12/6.5 MC NE WS	B.152
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1609920000	WS 12/6.5 MC NE WS	B.163
1609920000	WS 12/6.5 MC NE WS	B.229
1609920000	WS 12/6.5 MC NE WS	B.230
1609920000	WS 12/6.5 MC NE WS	B.231
1609920000	WS 12/6.5 MC NE WS	B.232

1610000000

1610840000	ZAP TNHE/ZSI2.5	A.156
1610840000	ZAP TNHE/ZSI2.5	A.157
1610840000	ZAP TNHE/ZSI2.5	A.158
1610840000	ZAP TNHE/ZSI2.5	A.159
1610840000	ZAP TNHE/ZSI2.5	A.160
1611930000	ZGB 30	A.191
1611930000	ZGB 30	A.310
1614280000	ZRH 2.5/3	A.215
1614290000	ZRH 2.5/2 GR/VO	A.108
1614290000	ZRH 2.5/2 GR/VO	A.109
1614290000	ZRH 2.5/2 GR/VO	A.140
1614290000	ZRH 2.5/2 GR/VO	A.141
1614290000	ZRH 2.5/2 GR/VO	A.198
1614290000	ZRH 2.5/2 GR/VO	A.199
1614290000	ZRH 2.5/2 GR/VO	A.215
1614290000	ZRH 2.5/2 GR/VO	B.222
1614300000	ZRH 2.5/1 WS	A.108
1614300000	ZRH 2.5/1 WS	A.109
1614300000	ZRH 2.5/1 WS	A.140
1614300000	ZRH 2.5/1 WS	A.141
1614300000	ZRH 2.5/1 WS	A.198
1614300000	ZRH 2.5/1 WS	A.199
1614300000	ZRH 2.5/1 WS	A.215
1614300000	ZRH 2.5/1 WS	B.222
1616340000	WFL 120/150	A.241
1616400000	ZSI 2.5	A.156
1616410000	ZSI 2.5/LD 250AC	A.158
1616420000	ZSI 2.5/LD 120AC	A.158
1616430000	ZSI 2.5/LD 60AC	A.158
1616440000	ZSI 2.5/LD 28AC	A.158
1616460000	ZSI 2.5/2 500AC	A.159
1616470000	ZSI 2.5/2/LD 28AC	A.160
1616490000	ZSI 2.5/2/LD 120AC	A.160
1616500000	ZSI 2.5/2/LD 250AC	A.160

1620000000

1627850000	ZQV 6/2 GE	A.111
1627850000	ZQV 6/2 GE	A.119
1627850000	ZQV 6/2 GE	A.156
1627850000	ZQV 6/2 GE	A.157
1627850000	ZQV 6/2 GE	A.158
1627850000	ZQV 6/2 GE	A.168
1627850000	ZQV 6/2 GE	A.169
1627850000	ZQV 6/2 GE	A.170
1627850000	ZQV 6/2 GE	A.173
1627850000	ZQV 6/2 GE	A.211
1627850000	ZQV 6/2 GE	B.147
1627850000	ZQV 6/2 GE	B.274
1627850000	ZQV 6/2 GE	B.275
1627850000	ZQV 6/2 GE	B.279
1627850000	ZQV 6/2 GE	B.283
1627860000	ZQV 6/3 GE	A.211
1627860000	ZQV 6/3 GE	B.147
1627860000	ZQV 6/3 GE	B.274
1627860000	ZQV 6/3 GE	B.275
1627860000	ZQV 6/3 GE	B.279
1627860000	ZQV 6/3 GE	B.283
1627870000	ZQV 6/4 GE	A.111
1627870000	ZQV 6/4 GE	A.113
1627870000	ZQV 6/4 GE	A.119
1627870000	ZQV 6/4 GE	A.156
1627870000	ZQV 6/4 GE	A.157
1627870000	ZQV 6/4 GE	A.158
1627870000	ZQV 6/4 GE	A.168
1627870000	ZQV 6/4 GE	A.173
1627870000	ZQV 6/4 GE	A.211
1627870000	ZQV 6/4 GE	B.147
1627870000	ZQV 6/4 GE	B.274
1627870000	ZQV 6/4 GE	B.275
1627870000	ZQV 6/4 GE	B.279
1627870000	ZQV 6/4 GE	B.283

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1632050000	ZDU 4	A.110
1632060000	ZDU 4 BL	A.110
1632080000	ZPE 4	A.141
1632090000	ZAP/TW 4	A.110
1632090000	ZAP/TW 4	A.141
1632100000	ZAP/TW 4 BL	A.110

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1632130000	ZRH 1.5N/2	A.215
1632130000	ZRH 1.5N/2	B.174
1632130000	ZRH 1.5N/2	B.175
1632140000	ZRH 1.5N/1	A.215
1632140000	ZRH 1.5N/1	B.174
1632140000	ZRH 1.5N/1	B.175
1632290000	WTA 1 WDU1.5	A.223
1632290000	WTA 1 WDU1.5	A.224
1632290000	WTA 1 WDU1.5	A.226
1632290000	WTA 1 WDU1.5	A.336
1632300000	WTA 1/ZA WDU1.5	A.223
1632300000	WTA 1/ZA WDU1.5	A.224
1632300000	WTA 1/ZA WDU1.5	A.226
1632300000	WTA 1/ZA WDU1.5	A.336
1632320000	WTA 2 WDU2.5-10	A.221
1632320000	WTA 2 WDU2.5-10	A.222
1632320000	WTA 2 WDU2.5-10	A.223
1632320000	WTA 2 WDU2.5-10	A.233
1632320000	WTA 2 WDU2.5-10	A.336
1632320000	WTA 2 WDU2.5-10	B.228
1632320000	WTA 2 WDU2.5-10	B.229
1632330000	WTA 2/ZA WDU2.5-10	A.221
1632330000	WTA 2/ZA WDU2.5-10	A.222
1632330000	WTA 2/ZA WDU2.5-10	A.223
1632330000	WTA 2/ZA WDU2.5-10	A.336
1632330000	WTA 2/ZA WDU2.5-10	B.228
1632340000	WTA 2/10 WDU2.5/10	A.336
1632350000	WTA 3 WDU4	A.225
1632350000	WTA 3 WDU4	A.227
1632350000	WTA 3 WDU4	A.228
1632350000	WTA 3 WDU4	A.230
1632350000	WTA 3 WDU4	A.336
1632350000	WTA 3 WDU4	B.228
1632360000	WTA 3/ZA WDU4	A.225
1632360000	WTA 3/ZA WDU4	A.336
1632360000	WTA 3/ZA WDU4	B.228
1632380000	WTA 6 WTR2.5	A.286
1632380000	WTA 6 WTR2.5	A.336
1632390000	WTA 6/ZA WTR2.5	A.336
1633200000	ZQS 2.5/2	A.159
1633200000	ZQS 2.5/2	A.160
1633200000	ZQS 2.5/2	A.211
1633210000	ZQS 2.5/3	A.211
1633220000	ZQS 2.5/4	A.159
1633220000	ZQS 2.5/4	A.160
1633220000	ZQS 2.5/4	A.211
1633230000	ZQS 2.5/5	A.211
1633280000	VQB 1.5/50 BL	A.251
1633280000	VQB 1.5/50 BL	A.296
1633280000	VQB 1.5/50 BL	B.93
1633280000	VQB 1.5/50 BL	B.176
1633280000	VQB 1.5/50 BL	B.177
1633280000	VQB 1.5/50 BL	B.178
1633280000	VQB 1.5/50 BL	B.179
1633290000	VQB 1.5/50 RT	A.251
1633290000	VQB 1.5/50 RT	A.296
1633290000	VQB 1.5/50 RT	B.93
1633290000	VQB 1.5/50 RT	B.176
1633290000	VQB 1.5/50 RT	B.177
1633290000	VQB 1.5/50 RT	B.178
1633290000	VQB 1.5/50 RT	B.179
1635000000	WS 10/5 MC NE WS	A.100
1635000000	WS 10/5 MC NE WS	A.101
1635000000	WS 10/5 MC NE WS	A.102
1635000000	WS 10/5 MC NE WS	A.103
1635000000	WS 10/5 MC NE WS	A.108
1635000000	WS 10/5 MC NE WS	A.109
1635000000	WS 10/5 MC NE WS	A.130
1635000000	WS 10/5 MC NE WS	A.131
1635000000	WS 10/5 MC NE WS	A.132
1635000000	WS 10/5 MC NE WS	A.136
1635000000	WS 10/5 MC NE WS	A.137
1635000000	WS 10/5 MC NE WS	A.138
1635000000	WS 10/5 MC NE WS	A.139
1635000000	WS 10/5 MC NE WS	A.140
1635000000	WS 10/5 MC NE WS	A.141
1635000000	WS 10/5 MC NE WS	A.147
1635000000	WS 10/5 MC NE WS	A.156
1635000000	WS 10/5 MC NE WS	A.157
1635000000	WS 10/5 MC NE WS	A.158
1635000000	WS 10/5 MC NE WS	A.159
1635000000	WS 10/5 MC NE WS	A.160
1635000000	WS 10/5 MC NE WS	A.162
1635000000	WS 10/5 MC NE WS	A.164
1635000000	WS 10/5 MC NE WS	A.166
1635000000	WS 10/5 MC NE WS	A.167
1635000000	WS 10/5 MC NE WS	A.172
1635000000	WS 10/5 MC NE WS	A.181
1635000000	WS 10/5 MC NE WS	A.182
1635000000	WS 10/5 MC NE WS	A.186
1635000000	WS 10/5 MC NE WS	A.190
1635000000	WS 10/5 MC NE WS	A.191
1635000000	WS 10/5 MC NE WS	A.198
1635000000	WS 10/5 MC NE WS	A.199
1635000000	WS 10/5 MC NE WS	A.300
1635000000	WS 10/5 MC NE WS	A.301
1635000000	WS 10/5 MC NE WS	B.187
1635000000	WS 10/5 MC NE WS	B.188
1635000000	WS 10/5 MC NE WS	B.189
1635000000	WS 10/5 MC NE WS	B.190
1635000000	WS 10/5 MC NE WS	B.191
1635000000	WS 10/5 MC NE WS	B.264
1635000000	WS 10/5 MC NE WS	B.266
1635000000	WS 10/5 MC NE WS	B.267
1635000000	WS 10/5 MC NE WS	B.278
1635000000	WS 10/5 MC NE WS	B.280
1635000000	WS 10/5 MC NE WS	B.281
1635000000	WS 10/5 MC NE WS	B.282
1635120000	VQB 1.5/50 SW	A.251
1635120000	VQB 1.5/50 SW	A.296
1635120000	VQB 1.5/50 SW	B.93
1635120000	VQB 1.5/50 SW	B.176
1635120000	VQB 1.5/50 SW	B.177
1635120000	VQB 1.5/50 SW	B.178
1635120000	VQB 1.5/50 SW	B.179
1636560000	WQV 16N/2	A.233
1636560000	WQV 16N/2	A.331
1636560000	WQV 16N/2	B.229
1636570000	WQV 16N/3	A.331
1636580000	WQV 16N/4	A.233
1636580000	WQV 16N/4	A.331
1636580000	WQV 16N/4	B.229
1636640000	ZRH 4/1 WS	A.110
1636640000	ZRH 4/1 WS	A.111
1636640000	ZRH 4/1 WS	A.141
1636640000	ZRH 4/1 WS	A.142
1636640000	ZRH 4/1 WS	A.147
1636640000	ZRH 4/1 WS	A.148
1636640000	ZRH 4/1 WS	A.215
1640740000	WS 8/5 MC NE WS	A.242
1640740000	WS 8/5 MC NE WS	A.243
1640740000	WS 8/5 MC NE WS	A.244
1640740000	WS 8/5 MC NE WS	A.245
1640740000	WS 8/5 MC NE WS	A.262
1640740000	WS 8/5 MC NE WS	A.292
1640740000	WS 8/5 MC NE WS	A.293
1640740000	WS 8/5 MC NE WS	A.296
1640740000	WS 8/5 MC NE WS	A.298
1640740000	WS 8/5 MC NE WS	A.299
1640740000	WS 8/5 MC NE WS	A.308
1640740000	WS 8/5 MC NE WS	A.309
1640740000	WS 8/5 MC NE WS	A.314
1640740000	WS 8/5 MC NE WS	A.315
1640740000	WS 8/5 MC NE WS	A.316
1640740000	WS 8/5 MC NE WS	A.317
1640740000	WS 8/5 MC NE WS	B.12
1640740000	WS 8/5 MC NE WS	B.290
1640740000	WS 8/5 MC NE WS	B.291
1640740000	WS 8/5 MC NE WS	B.292
1640740000	WS 8/5 MC NE WS	B.293
1649300000	ZVL 1.5	B.175
1649350000	ZZA 2.5/ZA	A.215
1649540000	ZAP/TW ZIA1.5/3L	B.174
1649550000	ZAP/TW ZIA1.5/4L	B.175
1650210000	WTA 7 WSI6	A.336
1650340000	ZDU 2.5/2X2AN/D+	A.199
1650350000	ZDU 2.5/2X2AN/D-	A.199
1650360000	ZVL 1.5 BL	B.175
1650370000	ZVL 1.5 BR	B.175
1651970000	ZVL 1.5/PE GN/GE BED	B.175
1651980000	ZIA 1.5/3L-1S	B.174
1651990000	ZIA 1.5/3L-1S/LD-RT	B.174
1652000000	ZIA 1.5/3L-PE	B.174
1652010000	ZIA 1.5/4L-1S	B.175
1652020000	ZIA 1.5/4L-1S/LD	B.175
1652030000	ZIA 1.5/4L-PE	B.175
1654050000	ZTA 3 ZDU6	A.107
1654050000	ZTA 3 ZDU6	A.111
1654050000	ZTA 3 ZDU6	A.143
1654050000	ZTA 3 ZDU6	A.212
1670360000	QVSK 2 SAKT1	B.158
1674300000	ZDK 2.5	A.124
1674650000	ZAP/TW ZPV1.5	B.174
1674730000	ZAP/TW ZDK2.5	A.124
1674730000	ZAP/TW ZDK2.5	A.125
1674730000	ZAP/TW ZDK2.5	A.152
1674730000	ZAP/TW ZDK2.5	A.201
1674730000	ZAP/TW ZDK2.5	A.202
1674730000	ZAP/TW ZDK2.5	A.203
1674730000	ZAP/TW ZDK2.5	A.204
1675350000	KLBUE 2X2-6	B.204
1676610000	BZT ZVL1.5	B.175
1676620000	BZT ZVL1.5/0.ZA	B.175
1676630000	ZPV 1.5	B.174
1677120000	ZQB 2.5-2	A.100
1677120000	ZQB 2.5-2	A.101
1677120000	ZQB 2.5-2	A.102
1677120000	ZQB 2.5-2	A.117
1677120000	ZQB 2.5-2	A.210
1678630000	ZDK 2.5 BL	A.124
1678680000	ZST	A.217
1678800000	ZRH 1.5H/2	A.116
1678800000	ZRH 1.5H/2	A.117
1678800000	ZRH 1.5H/2	A.120
1678800000	ZRH 1.5H/2	A.121
1678800000	ZRH 1.5H/2	A.124
1678800000	ZRH 1.5H/2	A.125
1678800000	ZRH 1.5H/2	A.126
1678800000	ZRH 1.5H/2	A.127
1678800000	ZRH 1.5H/2	A.129
1678800000	ZRH 1.5H/2	A.130
1678800000	ZRH 1.5H/2	A.131
1678800000	ZRH 1.5H/2	A.132
1678800000	ZRH 1.5H/2	A.136
1678800000	ZRH 1.5H/2	A.137
1678800000	ZRH 1.5H/2	A.146
1678800000	ZRH 1.5H/2	A.147
1678800000	ZRH 1.5H/2	A.150
1678800000	ZRH 1.5H/2	A.151
1678800000	ZRH 1.5H/2	A.152
1678800000	ZRH 1.5H/2	A.153
1678800000	ZRH 1.5H/2	A.154
1678800000	ZRH 1.5H/2	A.215
1678800000	ZRH 1.5H/2	B.91
1678810000	ZRH 1.5H/1	A.116
1678810000	ZRH 1.5H/1	A.117
1678810000	ZRH 1.5H/1	A.120
1678810000	ZRH 1.5H/1	A.121
1678810000	ZRH 1.5H/1	A.124
1678810000	ZRH 1.5H/1	A.125
1678810000	ZRH 1.5H/1	A.126
1678810000	ZRH 1.5H/1	A.127
1678810000	ZRH 1.5H/1	A.129
1678810000	ZRH 1.5H/1	A.130
1678810000	ZRH 1.5H/1	A.131
1678810000	ZRH 1.5H/1	A.132
1678810000	ZRH 1.5H/1	A.136
1678810000	ZRH 1.5H/1	A.137
1678810000	ZRH 1.5H/1	A.146
1678810000	ZRH 1.5H/1	A.147
1678810000	ZRH 1.5H/1	A.150
1678810000	ZRH 1.5H/1	A.151
1678810000	ZRH 1.5H/1	A.152
1678810000	ZRH 1.5H/1	A.153
1678810000	ZRH 1.5H/1	A.154
1678810000	ZRH 1.5H/1	A.215
1678810000	ZRH 1.5H/1	B.91
1688110000	ZTA 4	A.116
1688110000	ZTA 4	A.117
1688110000	ZTA 4	A.126
1688110000	ZTA 4	A.127
1688110000	ZTA 4	A.130
1688110000	ZTA 4	A.132
1688110000	ZTA 4	A.146
1688110000	ZTA 4	A.147
1688110000	ZTA 4	A.152
1688110000	ZTA 4	A.153
1688110000	ZTA 4	A.213
1689960000	ZDK 2.5N-DU	A.125
1689970000	ZDK 2.5DU-PE	A.125
1689980000	ZDK 2.5N-PE	A.125
1689990000	ZDK 2.5V	A.124
1690000000	ZDK 2.5PE	A.152
1690010000	ZDK 2.5/LD RT/1	A.201
1690020000	ZDK 2.5/D/1	A.202
1690030000	ZDK 2.5/D/2	A.203
1690040000	ZDK 2.5/D/4	A.203
1690050000	ZDK 2.5/D/5	A.203
1690060000	ZDK 2.5/D/6	A.204
1692261001	KLBUE 3-8 SC	B.205
1692590000	ZDU 2.5/2X2AN/LD+	A.198
1692600000	ZDU 2.5/2X2AN/LD-	A.198
1693800000	ZQV 2.5N/2 GE	A.103
1693800000	ZQV 2.5N/2 GE	A.174
1693800000	ZQV 2.5N/2 GE	A.178
1693800000	ZQV 2.5N/2 GE	A.179
1693800000	ZQV 2.5N/2 GE	A.184
1693800000	ZQV 2.5N/2 GE	A.185
1693800000	ZQV 2.5N/2 GE	A.187
1693800000	ZQV 2.5N/2 GE	A.191
1693800000	ZQV 2.5N/2 GE	A.210
1693800000	ZQV 2.5N/2 GE	A.287
1693800000	ZQV 2.5N/2 GE	B.186
1693800000	ZQV 2.5N/2 GE	B.187
1693800000	ZQV 2.5N/2 GE	B.189
1693800000	ZQV 2.5N/2 GE	B.190
1693800000	ZQV 2.5N/2 GE	B.191
1693810000	ZQV 2.5N/3 GE	A.210
1693820000	ZQV 2.5N/4 GE	A.210
1693830000	ZQV 2.5N/5 GE	A.210
1693840000	ZQV 2.5N/6 GE	A.210
1693850000	ZQV 2.5N/7 GE	A.210
1693860000	ZQV 2.5N/8 GE	A.210
1693870000	ZQV 2.5N/9 GE	A.210
1693880000	ZQV 2.5N/10 GE	A.103
1693880000	ZQV 2.5N/10 GE	A.174
1693880000	ZQV 2.5N/10 GE	A.178
1693880000	ZQV 2.5N/10 GE	A.179
1693880000	ZQV 2.5N/10 GE	A.184
1693880000	ZQV 2.5N/10 GE	A.185
1693880000	ZQV 2.5N/10 GE	A.187
1693880000	ZQV 2.5N/10 GE	A.191
1693880000	ZQV 2.5N/10 GE	A.210
1693880000	ZQV 2.5N/10 GE	A.287
1693880000	ZQV 2.5N/10 GE	B.186
1693880000	ZQV 2.5N/10 GE	B.187
1693880000	ZQV 2.5N/10 GE	B.188
1693880000	ZQV 2.5N/10 GE	B.189
1693880000	ZQV 2.5N/10 GE	B.190
1693880000	ZQV 2.5N/10 GE	B.191
1693940000	ZDK 2.5/LD RT/2	A.202
1694140000	ZDK 2.5 OR	A.201
1697540000	ZQV 2.5/50	B.174
1697540000	ZQV 2.5/50	B.175
1698110000	ZPE 2.5/4AN WS	B.219
1698110000	ZPE 2.5/4AN WS	B.222
1698160000	ZRV 1.5	A.188
1698170000	ZRV 1.5/PE	A.188
1698180000	AP ZRV1.5 DB	A.188
1698190000	STGH 4 ZRV1.5	A.188
1698200000	STGH 4 ZRV1.5/PE GN	A.188
1704350000	ZDUB 2.5-2/2AN/DM	A.101
1704360000	ZDUB 2.5-2/2AN/DM BL	A.101
1704370000	ZDUB 2.5-2/2AN/DM OR	A.101
1704380000	ZDUB 2.5-2/2AN/DM GE	A.101
1704500000	ZDUB 2.5-2/2AN/DB	A.101
1704530000	ZDUB 2.5-2/2AN/DB GE	A.101
1704540000	ZDUB 2.5-2/4AN/DM	A.101
1704550000	ZDUB 2.5-2/4AN/DM BL	A.101
1704560000	ZDUB 2.5-2/4AN/DM OR	A.101
1704570000	ZDUB 2.5-2/4AN/DM GE	A.101
1704690000	ZDUB 2.5-2/4AN/DB	A.101
1704700000	ZDUB 2.5-2/4AN/DB BL	A.101
1704720000	ZDUB 2.5-2/4AN/DB GE	A.101
1704740000	ZBB ZDUB	A.101
1704750000	ZAP ZDUB	A.100
1704750000	ZAP ZDUB	A.101
1704750000	ZAP ZDUB	A.102
1704750000	ZAP ZDUB	A.139
1704760000	ZAP ZDUB BL	A.100
1704760000	ZAP ZDUB BL	A.101
1704760000	ZAP ZDUB BL	A.102
1704770000	ZAP ZDUB OR	A.100
1704770000	ZAP ZDUB OR	A.101
1704770000	ZAP ZDUB OR	A.102
1705310000	DFFC 0.2-0.35 ZRV1.5	A.188
1705320000	DFFC .5-1.0 ZRV1.5	A.188
1706010000	ZDU 2.5-2/3AN	A.116
1706040000	ZDU 2.5-2/3AN BL	A.116
1706060000	ZDU 2.5-2/4AN	A.117
1706070000	ZDU 2.5-2/4AN BL	A.117
1706090000	ZPE 2.5-2/3AN	A.146
1706100000	ZPE 2.5-2/4AN	A.147
1706110000	ZAP/TW7	A.116
1706110000	ZAP/TW7	A.117
1706110000	ZAP/TW7	A.146
1706110000	ZAP/TW7	A.147
1706110000	ZAP/TW7	A.173
1706110000	ZAP/TW7	A.200
1706110000	ZAP/TW7	A.201
1706120000	ZAP/TW7 BL	A.116
1706120000	ZAP/TW7 BL	A.117
1711930000	ZVL 1.5 0.0V	B.175
1712311001	KLBUE 4-13.5 SC	B.205
1712321001	KLBUE 10-20 SC	B.205
1712750000	ZDUB 2.5-2/2AN/15	A.102
1712760000	ZDUB 2.5-2/2AN/15 BL	A.102
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1847790000	STB 36.8/IH/BL WTL6/1	B.162
1848290000	TS 35X15/2.3 2M/AL/BK	C.19
1848330000	ZTPE 4/4AN/2	A.183
1848340000	ZP 4/1AN/1	A.180
1848340000	ZP 4/1AN/1	A.192
1848350000	ZT 4/4AN/2	A.180
1848360000	ZAP/TW ZT4/4AN/2	A.180
1848480000	FEKO ZRV2.5 1.5-2.5	A.189

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1853940000	VDS180 SV7.62	A.45
1854090000	WS 10/15 MC NE WS	A.344
1854490000	DEK 5/5 PLUS MC NE WS	A.6
1854490000	DEK 5/5 PLUS MC NE WS	A.7
1854490000	DEK 5/5 PLUS MC NE WS	A.8
1854490000	DEK 5/5 PLUS MC NE WS	A.9
1854490000	DEK 5/5 PLUS MC NE WS	A.13
1854490000	DEK 5/5 PLUS MC NE WS	A.14
1854490000	DEK 5/5 PLUS MC NE WS	A.24
1854490000	DEK 5/5 PLUS MC NE WS	A.25
1854490000	DEK 5/5 PLUS MC NE WS	A.26
1854490000	DEK 5/5 PLUS MC NE WS	A.27
1854490000	DEK 5/5 PLUS MC NE WS	A.28
1854490000	DEK 5/5 PLUS MC NE WS	A.29
1854490000	DEK 5/5 PLUS MC NE WS	A.30
1854490000	DEK 5/5 PLUS MC NE WS	A.31
1854490000	DEK 5/5 PLUS MC NE WS	A.33
1854490000	DEK 5/5 PLUS MC NE WS	A.34
1854490000	DEK 5/5 PLUS MC NE WS	A.35
1854490000	DEK 5/5 PLUS MC NE WS	A.39
1854490000	DEK 5/5 PLUS MC NE WS	A.40
1854490000	DEK 5/5 PLUS MC NE WS	A.41
1854490000	DEK 5/5 PLUS MC NE WS	A.42
1854490000	DEK 5/5 PLUS MC NE WS	A.46
1854490000	DEK 5/5 PLUS MC NE WS	A.47
1854490000	DEK 5/5 PLUS MC NE WS	A.48
1854490000	DEK 5/5 PLUS MC NE WS	A.49
1854490000	DEK 5/5 PLUS MC NE WS	A.52
1854490000	DEK 5/5 PLUS MC NE WS	A.58
1854490000	DEK 5/5 PLUS MC NE WS	A.59
1854490000	DEK 5/5 PLUS MC NE WS	A.60
1854490000	DEK 5/5 PLUS MC NE WS	A.61
1854490000	DEK 5/5 PLUS MC NE WS	A.66
1854490000	DEK 5/5 PLUS MC NE WS	A.72
1854490000	DEK 5/5 PLUS MC NE WS	A.73
1854490000	DEK 5/5 PLUS MC NE WS	A.74
1854490000	DEK 5/5 PLUS MC NE WS	A.75
1854490000	DEK 5/5 PLUS MC NE WS	A.82
1854490000	DEK 5/5 PLUS MC NE WS	B.90
1854490000	DEK 5/5 PLUS MC NE WS	B.107
1854490000	DEK 5/5 PLUS MC NE WS	B.220
1854490000	DEK 5/5 PLUS MC NE WS	B.244
1854490000	DEK 5/5 PLUS MC NE WS	B.246
1854490000	DEK 5/5 PLUS MC NE WS	B.248
1854490000	DEK 5/5 PLUS MC NE WS	B.250
1854490000	DEK 5/5 PLUS MC NE WS	B.251
1854490000	DEK 5/5 PLUS MC NE WS	B.252
1854490000	DEK 5/5 PLUS MC NE WS	B.253
1854490000	DEK 5/5 PLUS MC NE WS	B.254
1854490000	DEK 5/5 PLUS MC NE WS	B.255
1854490000	DEK 5/5 PLUS MC NE WS	B.256
1854490000	DEK 5/5 PLUS MC NE WS	B.257
1854490000	DEK 5/5 PLUS MC NE WS	B.258
1854490000	DEK 5/5 PLUS MC NE WS	B.259
1854750000	FEKO ZRV2.5 0.2-0.35	A.189
1854760000	FEKO ZRV2.5 0.5-1	A.189
1854960000	ZT 4/2AN/1	A.180
1854970000	ZTPE 4/2AN/1	A.183
1854980000	ZP 4/1AN/1 GN	A.192
1854990000	ZP 4/1AN/2	A.180
1854990000	ZP 4/1AN/2	A.192
1855000000	ZP 4/1AN/3	A.180
1855000000	ZP 4/1AN/3	A.192
1855010000	ZP 4/1AN/4	A.180
1855010000	ZP 4/1AN/4	A.192
1855020000	ZP 4/1AN/5	A.180
1855020000	ZP 4/1AN/5	A.192
1855030000	ZP 4/1AN/6	A.180
1855030000	ZP 4/1AN/6	A.192
1855040000	ZP 4/1AN/7	A.180
1855040000	ZP 4/1AN/7	A.192
1855050000	ZP 4/1AN/8	A.180
1855050000	ZP 4/1AN/8	A.192
1855060000	ZP 4/1AN/9	A.180
1855060000	ZP 4/1AN/9	A.192
1855070000	ZP 4/1AN/10	A.180
1855070000	ZP 4/1AN/10	A.192
1855080000	ZP 4/1AN/11	A.192
1855090000	ZP 4/1AN/12	A.192
1855100000	ZP 4/1AN/13	A.192
1855110000	ZP 4/1AN/14	A.192
1855220000	ZAP/TW ZT4/2AN	A.180
1855220000	ZAP/TW ZT4/2AN	A.183
1855230000	ZAP/TW ZT4/2AN OR	A.180
1855230000	ZAP/TW ZT4/2AN OR	A.183
1855250000	ZVR ZP4	A.180
1855250000	ZVR ZP4	A.183
1855250000	ZVR ZP4	A.195
1855250000	ZVR ZP4	A.302
1855250000	ZVR ZP4	A.305
1855260000	ZZE ZP4	A.180
1855260000	ZZE ZP4	A.183
1855260000	ZZE ZP4	A.195
1855260000	ZZE ZP4	A.302
1855610000	WTR 2.5	A.286
1855620000	WTR 2.5 STB2.3	A.286
1856740000	DEK 5/8 MC NE WS	A.111
1856740000	DEK 5/8 MC NE WS	A.119
1856740000	DEK 5/8 MC NE WS	A.143
1856740000	DEK 5/8 MC NE WS	A.148
1856740000	DEK 5/8 MC NE WS	A.149
1856740000	DEK 5/8 MC NE WS	A.173
1856740000	DEK 5/8 MC NE WS	A.228
1856740000	DEK 5/8 MC NE WS	A.229
1856740000	DEK 5/8 MC NE WS	A.256
1856740000	DEK 5/8 MC NE WS	A.259
1856740000	DEK 5/8 MC NE WS	A.269
1856740000	DEK 5/8 MC NE WS	A.270
1856740000	DEK 5/8 MC NE WS	A.271
1856740000	DEK 5/8 MC NE WS	A.272
1856740000	DEK 5/8 MC NE WS	A.273
1856740000	DEK 5/8 MC NE WS	A.274
1856740000	DEK 5/8 MC NE WS	A.281
1856740000	DEK 5/8 MC NE WS	A.282
1856740000	DEK 5/8 MC NE WS	B.28
1856740000	DEK 5/8 MC NE WS	B.31
1856740000	DEK 5/8 MC NE WS	B.102
1856740000	DEK 5/8 MC NE WS	B.103
1856740000	DEK 5/8 MC NE WS	B.108
1856740000	DEK 5/8 MC NE WS	B.109
1856740000	DEK 5/8 MC NE WS	B.147
1856740000	DEK 5/8 MC NE WS	B.151
1856740000	DEK 5/8 MC NE WS	B.152
1856740000	DEK 5/8 MC NE WS	B.155
1856740000	DEK 5/8 MC NE WS	B.156
1856740000	DEK 5/8 MC NE WS	B.157
1856740000	DEK 5/8 MC NE WS	B.244
1856740000	DEK 5/8 MC NE WS	B.246
1856740000	DEK 5/8 MC NE WS	B.248
1856740000	DEK 5/8 MC NE WS	B.279
1856740000	DEK 5/8 MC NE WS	B.281
1856740000	DEK 5/8 MC NE WS	B.283
1856750000	DEK 5/8 MC SDR	B.102
1856750000	DEK 5/8 MC SDR	B.103
1856750000	DEK 5/8 MC SDR	B.108
1856750000	DEK 5/8 MC SDR	B.109
1856860000	KOSF ZT4	A.180
1856860000	KOSF ZT4	A.183
1856860000	KOSF ZT4	A.195
1856860000	KOSF ZT4	A.302
1856860000	KOSF ZT4	A.304
1859200000	WEW 35/2 GR	B.36
1859200000	WEW 35/2 GR	B.37
1859200000	WEW 35/2 GR	B.40
1859200000	WEW 35/2 GR	B.42
1859200000	WEW 35/2 GR	B.44
1859200000	WEW 35/2 GR	C.13
1859200000	WEW 35/2 GR	C.21
1859580000	WZAD 95N/120N	A.237
1859580000	WZAD 95N/120N	B.27
1859580000	WZAD 95N/120N	B.28
1859580000	WZAD 95N/120N	B.232
1859600000	Q WDU6 2.5 SET	A.333
1859610000	Q WDU10-4 SET	A.334
1859620000	Q WDU10-2.5 SET	A.333

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1861030000	ZAD ZT/ZPS2.5	A.195
1861030000	ZAD ZT/ZPS2.5	A.305
1861040000	ZPS 2.5/1AN/QV/1	A.195
1861050000	ZPS 2.5/1AN/QV/1 GN	A.195
1865410000	RAHE LN WDT1.5	A.292
1865410000	RAHE LN WDT1.5	A.293
1865510000	ZTTR 2.5	A.187
1865520000	ZAP/TW ZTTR2.5	A.187
1865880000	ZPS 2.5/1AN/QV/1	A.191
1865900000	ZPS 2.5/1AN/QV/2	A.191
1865910000	ZPS 2.5/1AN/QV/3	A.191
1865920000	ZPS 2.5/1AN/QV/4	A.191
1865930000	ZPS 2.5/1AN/QV/5	A.191
1865940000	ZPS 2.5/1AN/QV/6	A.191
1865950000	ZPS 2.5/1AN/QV/7	A.191
1865960000	ZPS 2.5/1AN/QV/8	A.191
1865970000	ZPS 2.5/1AN/QV/9	A.191
1865980000	ZPS 2.5/1AN/QV/10	A.191
1866000000	ZPS 2.5/1AN/QV/12	A.191
1866020000	ZPS 2.5/1AN/QV/14	A.191
1866030000	ZPS 2.5/1AN/QV/15	A.191
1866040000	ZPS 2.5/1AN/QV/16	A.191
1866070000	GHDE ZPS2.5/1AN	A.195
1866220000	ZZE ZP2.5/4	A.195
1866230000	ZZE ZP2.5/8	A.195
1866240000	ZVLA SC ZPS2.5	A.197
1866260000	ZVLA RC ZPS2.5	A.197
1866290000	TS 35X15/6X25 2M/ST/ZN	C.19
1866760000	REMOVAL TOOL AFK	A.189
1867090000	ZP 2.5/1AN/2 GN/BE	A.190
1867100000	ZP 2.5/1AN/3 GN/BE	A.190
1867110000	ZP 2.5/1AN/4 GN/BE	A.190
1867120000	ZP 2.5/1AN/5 GN/BE	A.190
1867130000	ZP 2.5/1AN/6 GN/BE	A.190
1867140000	ZP 2.5/1AN/7 GN/BE	A.190
1867150000	ZP 2.5/1AN/8 GN/BE	A.190
1867160000	ZP 2.5/1AN/9 GN/BE	A.190
1867170000	ZP 2.5/1AN/10 GN/BE	A.190
1867180000	ZP 2.5/1AN/11 GN/BE	A.190
1867190000	ZP 2.5/1AN/12 GN/BE	A.190
1867200000	ZP 2.5/1AN/13 GN/BE	A.190
1867210000	ZP 2.5/1AN/14 GN/BE	A.190
1867220000	ZP 2.5/1AN/15 GN/BE	A.190
1867240000	ZP 2.5/1AN/17 GN/BE	A.190
1867420000	ZSI 2.5-2/2X2AN/G20/LD3	A.164
1867440000	ZSI 2.5-2/2X2AN/G20/LD1	A.164
1867500000	ZSI 6-2 2X2.5/G20/LD1	A.167
1868870000	ZDU 2.5-2 O.EL	A.200
1868880000	SMSE WF10/2XM6	A.351
1868880000	SMSE WF10/2XM6	A.359

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1872720000	WZAD 50N	A.236
1872720000	WZAD 50N	B.25
1872720000	WZAD 50N	B.26
1872720000	WZAD 50N	B.231
1875150000	ZP 2.5/1AN	A.194
1875180000	ZP 2.5/1AN GN	A.194
1875190000	ZP 2.5/1AN ZA	A.194
1875200000	ZP 2.5/1AN ZA GN	A.194
1875210000	ZP 2.5/1AN ZA O.RA	A.194
1875220000	ZP 2.5/1AN ZA O.RA GN	A.194
1878560000	BEST/D	A.52
1878560000	BEST/D	A.172
1878560000	BEST/D	A.173
1878560000	BEST/D	A.187
1878560000	BEST/D	A.217
1878560000	BEST/D	A.286
1878560000	BEST/D	A.287
1878560000	BEST/D	A.288
1878560000	BEST/D	A.289
1878560000	BEST/D	A.296
1878560000	BEST/D	A.298
1878560000	BEST/D	A.299
1878560000	BEST/D	B.186
1878560000	BEST/D	B.187
1878560000	BEST/D	B.188
1878560000	BEST/D	B.189
1878560000	BEST/D	B.190
1878560000	BEST/D	B.191
1878560000	BEST/D	B.256
1878560000	BEST/D	B.257
1878560000	BEST/D	B.258
1878560000	BEST/D	B.259
1878560000	BEST/D	B.266
1878560000	BEST/D	B.267
1878570000	BEST/DRBR	A.52
1878570000	BEST/DRBR	A.172
1878570000	BEST/DRBR	A.173
1878570000	BEST/DRBR	A.187
1878570000	BEST/DRBR	A.217
1878570000	BEST/DRBR	A.286
1878570000	BEST/DRBR	A.287
1878570000	BEST/DRBR	A.288
1878570000	BEST/DRBR	A.289
1878570000	BEST/DRBR	A.296
1878570000	BEST/DRBR	A.298
1878570000	BEST/DRBR	A.299
1878570000	BEST/DRBR	B.186
1878570000	BEST/DRBR	B.187
1878570000	BEST/DRBR	B.188
1878570000	BEST/DRBR	B.189
1878570000	BEST/DRBR	B.190
1878570000	BEST/DRBR	B.191
1878570000	BEST/DRBR	B.256
1878570000	BEST/DRBR	B.257
1878570000	BEST/DRBR	B.258
1878570000	BEST/DRBR	B.259
1878570000	BEST/DRBR	B.266
1878570000	BEST/DRBR	B.267
1878600000	ZVLA DF ZPS2.5	A.196
1878620000	ZVR ZPS2.5	A.195
1878620000	ZVR ZPS2.5	A.196
1878660000	WTA 4N WDK 2.5	A.337
1879350000	WTA 4N/ZA WDK 2.5	A.337
1879730000	ZSI 2.5-2/2X2AN/G20/LD4	A.164
1879750000	ZSI 6-2 2X2.5/G20/LD4	A.167

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1880100000	ESG 6/15 K MC NE WS	A.275
1880390000	WSI 4/2/LD 140-250V AC/DC	A.268
1880410000	WSI 4/2/LD 10-36V AC/DC	A.268
1880420000	WSI 4/2/LD 60-150V AC/DC	A.268
1880430000	WSI 4/2	A.268
1880440000	WSI 4/2/LD 30-70V AC/DC	A.268

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1880450000	WAP WSI4/2	A.268
1881640000	WAP WTL4/2	B.148
1881650000	WTL 4/2 STB	B.148
1882590000	PDL 4/L/L	B.269
1882600000	PDL 4/NT/L	B.269
1882610000	PDL 4/L/L/PE	B.268
1882620000	PDL 4/NT/L/PE	B.269
1883210000	PAP PDL4	B.266
1883210000	PAP PDL4	B.267
1883210000	PAP PDL4	B.268
1883210000	PAP PDL4	B.269
1883210000	PAP PDL4	B.276
1886550000	WSI 4/LD 140-250V AC/DC	A.266
1886560000	WSI 4/LD 30-70V AC/DC	A.266
1886570000	WSI 4/LD 60-150V AC/DC	A.266
1886580000	WSI 4	A.266
1886590000	WSI 4/LD 10-36V AC/DC	A.266

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1893940000	FEKO ET ZRV2.5 0.2-0.35	A.189
1893970000	FEKO ET ZRV2.5 0.5-1	A.189
1893990000	FEKO ET ZRV2.5 1.5-2.5	A.189
1895700000	ZDKPE 2.5-2/N/L/PE	A.132
1896100000	PHP PNT 6/10	B.264
1896100000	PHP PNT 6/10	B.276
1896350000	PNT 16	B.265
1896360000	PNT 2.5/4	B.264
1896370000	PNT 6/10	B.264
1896380000	PHP PNT16	B.265
1896380000	PHP PNT16	B.276
1896390000	PHP PNT 2.5/4	B.264
1896390000	PHP PNT 2.5/4	B.276
1898420000	STGH O.R/SW ZRV2.5	A.189
1898430000	STGH O.ZA/O.R/SW ZRV2.5	A.189
1899170000	MOFU 15/35 ZPS2.5	A.197
1899180000	PDL 4/N/L/PE	B.268
1899190000	PDL 4/TR/DU	B.266
1899200000	PDL 4/TR/DU/PE	B.266
1899210000	PDL 4/TR/DU O.TNHE	B.267
1899220000	PDL 4/TR/DU/PE O.TNHE	B.267

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1904960000	WQL 4 WF8-6/3	A.359
1905060000	WDU 4/ZZ	A.225
1905070000	WAP WDU/WTR4/ZR	A.226
1905070000	WAP WDU/WTR4/ZR	A.255
1905070000	WAP WDU/WTR4/ZR	A.289
1905080000	WTR 4/ZR	A.289
1905090000	WTR 4/ZZ	A.288
1905100000	WTR 4/ZZ STB	A.288
1905110000	WTR 4/ZR STB	A.289
1905120000	WPE 4/ZR	A.255
1905130000	WPE 4/ZZ	A.255
1905140000	WDU 4/ZR	A.226
1905150000	WAP WDU/WTR4/ZZ	A.225
1905150000	WAP WDU/WTR4/ZZ	A.255
1905150000	WAP WDU/WTR4/ZZ	A.288
1905170000	ZDK 4-2/N/L	A.134
1905310000	ZDK 2.5-2/LD 24VUC	A.205
1905470000	ZTTR 2.5 O.TNHE	A.187
1905950000	WS 10/8 PLUS MC NE WS	A.16
1905950000	WS 10/8 PLUS MC NE WS	A.35
1905950000	WS 10/8 PLUS MC NE WS	A.36
1905950000	WS 10/8 PLUS MC NE WS	A.343
1905950000	WS 10/8 PLUS MC NE WS	B.98
1905950000	WS 10/8 PLUS MC NE WS	B.99
1905950000	WS 10/8 PLUS MC NE WS	B.100
1905950000	WS 10/8 PLUS MC NE WS	B.101
1905950000	WS 10/8 PLUS MC NE WS	B.221
1905950000	WS 10/8 PLUS MC NE WS	B.264
1905970000	WS 10/12 MC NE WS	A.233
1905970000	WS 10/12 MC NE WS	B.104
1905970000	WS 10/12 MC NE WS	B.105
1905970000	WS 10/12 MC NE WS	B.106
1905970000	WS 10/12 MC NE WS	B.110
1905970000	WS 10/12 MC NE WS	B.114
1905970000	WS 10/12 MC NE WS	B.229
1905970000	WS 10/12 MC NE WS	B.263
1905970000	WS 10/12 MC NE WS	B.265
1906000000	WS 12/8 PLUS MC NE WS	A.228
1906000000	WS 12/8 PLUS MC NE WS	B.155
1906000000	WS 12/8 PLUS MC NE WS	B.156
1906000000	WS 12/8 PLUS MC NE WS	B.157
1906000000	WS 12/8 PLUS MC NE WS	B.262
1906030000	WS 10/8 PLUS MC SDR	B.102
1906030000	WS 10/8 PLUS MC SDR	B.103
1906030000	WS 10/8 PLUS MC SDR	B.108
1906030000	WS 10/8 PLUS MC SDR	B.109
1906210000	ZQV 6N/2	B.264
1906220000	ZQV 6N/3	B.264
1906230000	ZQV 6N/4	B.264
1906240000	ZQV 6N/20	B.264
1906960000	ZRV 2.5/1	A.189
1906970000	ZRV 2.5/2	A.189
1906980000	AP ZRV2.5	A.189
1907000000	STGH ZRV2.5	A.189
1907010000	STGH O.ZA ZRV2.5	A.189

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1907520000	DEK 5/5 PLUS MC NE GE	A.152
1908560000	BA RC ZPS2.5	A.197
1908960000	ZQV 2.5/20	A.210
1908960000	ZQV 2.5/20	B.264
1908960000	ZQV 2.5/20	B.266
1908960000	ZQV 2.5/20	B.267
1908960000	ZQV 2.5/20	B.278
1908960000	ZQV 2.5/20	B.282
1908990000	ZQV 6/24 GE	A.211
1908990000	ZQV 6/24 GE	B.274
1908990000	ZQV 6/24 GE	B.275
1908990000	ZQV 6/24 GE	B.279
1908990000	ZQV 6/24 GE	B.283
1909010000	ZQV 4/20 GE	A.210
1909010000	ZQV 4/20 GE	B.278
1909010000	ZQV 4/20 GE	B.282

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1915450000	WTA 8 TN	A.337
1915450000	WTA 8 TN	B.148
1915480000	WTA 8 KO-TN	A.337
1916170000	PAD 16/4	B.262
1916170000	PAD 16/4	B.263
1916790000	PHP PNT 2.5/4 SO	B.264
1916790000	PHP PNT 2.5/4 SO	B.276
1919690000	PHP PNT16 SO	B.265
1919690000	PHP PNT16 SO	B.276
1919710000	PHP PNT 6/10 SO	B.264
1919710000	PHP PNT 6/10 SO	B.276

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1924460000	ZDK 2.5/3AN DU-PE	A.137
1924470000	ZDK 2.5/3AN PE	A.154
1924480000	ZDK 2.5/3AN V BL	A.136
1924490000	ZDK 2.5/3AN V	A.136
1924500000	ZDK 2.5/3AN BL	A.136
1924510000	ZDK 2.5/3AN	A.136
1924910000	ZAP/TW ZDK 2.5/3AN	A.136
1924910000	ZAP/TW ZDK 2.5/3AN	A.137
1924910000	ZAP/TW ZDK 2.5/3AN	A.154
1925030000	WTL 35/2STB	B.165
1925040000	WEW WTL 35	B.164
1925040000	WEW WTL 35	B.165
1925050000	WTL 35/1STB/WQV	B.165
1925060000	WTL 35/1STB	B.165
1925070000	WQS 2/16/5	B.164
1925070000	WQS 2/16/5	B.165

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1933700000	ZDU 2.5N	A.120
1933710000	ZDU 2.5N BL	A.120
1933720000	ZDU 2.5N/3AN	A.120
1933730000	ZDU 2.5N/3AN BL	A.120
1933740000	ZDU 2.5N/4AN	A.121
1933750000	ZDU 2.5N/4AN BL	A.121
1933760000	ZPE 2.5N	A.150
1933770000	ZPE 2.5N/3AN	A.150
1933780000	ZPE 2.5N/4AN	A.151
1933790000	ZAP/TW ZDU/ZPE 2.5N	A.120
1933790000	ZAP/TW ZDU/ZPE 2.5N	A.150
1933800000	ZAP/TW ZDU/ZPE 2.5N/3AN	A.120
1933800000	ZAP/TW ZDU/ZPE 2.5N/3AN	A.150
1933810000	ZAP/TW ZDU/ZPE 2.5N/4AN	A.121
1933810000	ZAP/TW ZDU/ZPE 2.5N/4AN	A.151
1934160000	ZAD 9/4	A.120
1934160000	ZAD 9/4	A.121
1934160000	ZAD 9/4	A.136
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1934160000	ZAD 9/4	A.152
1934790000	WTQ 6/1 EN	B.156
1934800000	WTQ 6/1 EN STB	B.156
1934810000	WTL 6/1 EN	B.154
1934810000	WTL 6/1 EN	B.155
1934820000	WTL 6/1 EN STB	B.155
1934830000	WTD 6/1 EN	B.154
1934830000	WTD 6/1 EN	B.155
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1936140000	WKS 2/2	B.155
1936140000	WKS 2/2	B.156
1936140000	WKS 2/2	B.157
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1936150000	WKS 2/3	B.155
1936150000	WKS 2/3	B.156
1936150000	WKS 2/3	B.157
1936150000	WKS 2/3	B.159
1936150000	WKS 2/3	B.160
1936150000	WKS 2/3	B.162
1936160000	WKS 2/4	B.155
1936160000	WKS 2/4	B.156
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1936240000	STB 21.6/45 GE	B.154
1936240000	STB 21.6/45 GE	B.155
1936240000	STB 21.6/45 GE	B.156
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1936270000	STB 21.6/45 SW	B.160
1936270000	STB 21.6/45 SW	B.162
1936280000	STB 21.6/45 GR	B.159
1936290000	STB 21.6/45 BL	B.155
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1936290000	STB 21.6/45 BL	B.157
1936290000	STB 21.6/45 BL	B.159
1936300000	STB 21.6/45 RT	B.159
1938790000	STB 21.6/45 DB	B.159
1938820000	WTL 6/1/STB/TNSC/EN	B.157

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1943600000	BLZP 5.08HC/04/180 SN OR BX	A.310
1943600000	BLZP 5.08HC/04/180 SN OR BX	A.311
1943620000	BLZP 5.08HC/06/180 SN OR BX	A.310
1943620000	BLZP 5.08HC/06/180 SN OR BX	A.311
1943640000	BLZP 5.08HC/08/180 SN OR BX	A.310
1943640000	BLZP 5.08HC/08/180 SN OR BX	A.311
1944110000	BLZP 5.08HC/04/180F SN OR BX	A.310
1944110000	BLZP 5.08HC/04/180F SN OR BX	A.311
1944130000	BLZP 5.08HC/06/180F SN OR BX	A.310
1944130000	BLZP 5.08HC/06/180F SN OR BX	A.311
1944150000	BLZP 5.08HC/08/180F SN OR BX	A.310
1944150000	BLZP 5.08HC/08/180F SN OR BX	A.311
1948000000	BLZP 5.08HC/02/90 SN OR BX	B.192
1948010000	BLZP 5.08HC/03/90 SN OR BX	B.192
1948020000	BLZP 5.08HC/04/90 SN OR BX	B.192
1948030000	BLZP 5.08HC/05/90 SN OR BX	B.192
1948040000	BLZP 5.08HC/06/90 SN OR BX	B.192
1948050000	BLZP 5.08HC/07/90 SN OR BX	B.192
1948060000	BLZP 5.08HC/08/90 SN OR BX	B.192
1948070000	BLZP 5.08HC/09/90 SN OR BX	B.192
1948080000	BLZP 5.08HC/10/90 SN OR BX	B.192
1948100000	BLZP 5.08HC/11/90 SN OR BX	B.192
1948110000	BLZP 5.08HC/12/90 SN OR BX	B.192
1948120000	BLZP 5.08HC/13/90 SN OR BX	B.192
1948130000	BLZP 5.08HC/14/90 SN OR BX	B.192
1948140000	BLZP 5.08HC/15/90 SN OR BX	B.192
1948150000	BLZP 5.08HC/16/90 SN OR BX	B.192
1948160000	BLZP 5.08HC/17/90 SN OR BX	B.192
1948170000	BLZP 5.08HC/18/90 SN OR BX	B.192
1948180000	BLZP 5.08HC/19/90 SN OR BX	B.192
1948190000	BLZP 5.08HC/20/90 SN OR BX	B.192
1948200000	BLZP 5.08HC/21/90 SN OR BX	B.192
1948210000	BLZP 5.08HC/22/90 SN OR BX	B.192
1948220000	BLZP 5.08HC/23/90 SN OR BX	B.192
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1949810000	BLZP 5.08HC/03/90F SN OR BX	B.193
1949820000	BLZP 5.08HC/04/90F SN OR BX	B.193
1949830000	BLZP 5.08HC/05/90F SN OR BX	B.193
1949840000	BLZP 5.08HC/06/90F SN OR BX	B.193
1949850000	BLZP 5.08HC/07/90F SN OR BX	B.193
1949860000	BLZP 5.08HC/08/90F SN OR BX	B.193
1949870000	BLZP 5.08HC/09/90F SN OR BX	B.193
1949880000	BLZP 5.08HC/10/90F SN OR BX	B.193
1949890000	BLZP 5.08HC/11/90F SN OR BX	B.193
1949900000	BLZP 5.08HC/12/90F SN OR BX	B.193
1949910000	BLZP 5.08HC/13/90F SN OR BX	B.193
1949920000	BLZP 5.08HC/14/90F SN OR BX	B.193
1949930000	BLZP 5.08HC/15/90F SN OR BX	B.193
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1949960000	BLZP 5.08HC/18/90F SN OR BX	B.193
1949970000	BLZP 5.08HC/19/90F SN OR BX	B.193
1949980000	BLZP 5.08HC/20/90F SN OR BX	B.193
1949990000	BLZP 5.08HC/21/90F SN OR BX	B.193

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1950010000	BLZP 5.08HC/22/90F SN OR BX	B.193
1950020000	BLZP 5.08HC/23/90F SN OR BX	B.193
1950030000	BLZP 5.08HC/24/90F SN OR BX	B.193
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1951880000	WS 8/6 PLUS MC NE WS	A.247
1951880000	WS 8/6 PLUS MC NE WS	B.245
1951880000	WS 8/6 PLUS MC NE WS	B.249
1951880000	WS 8/6 PLUS MC NE WS	B.254
1951880000	WS 8/6 PLUS MC NE WS	B.255
1957710000	WAP WTL6/1 EN	B.154
1957710000	WAP WTL6/1 EN	B.155
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1964830000	WZAD 70N	A.237
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1964830000	WZAD 70N	B.232
1966020000	WSI 25/1 10X38	A.275
1966030000	WSI 25/3 CC	A.275
1966040000	WSI 25/2 CC	A.275
1966050000	WSI 25/1 CC	A.275
1966060000	WSI 25/1 10X38/LED 690V	A.275
1966070000	WSI 25/1 CC/LED	A.275
1966080000	WSI 25/3 10X38	A.275
1966090000	WSI 25/2 10X38	A.275
1968940000	WF 12 NFF	A.351
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1968960000	WF 8 NFF	A.350
1968990000	WF 5 NFF	A.348
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1985410000	ZQV 1.5N/2	A.23
1985410000	ZQV 1.5N/2	A.54
1985410000	ZQV 1.5N/2	A.55
1985410000	ZQV 1.5N/2	A.56
1985410000	ZQV 1.5N/2	A.57
1985410000	ZQV 1.5N/2	A.90
1985410000	ZQV 1.5N/2	A.242
1985410000	ZQV 1.5N/2	B.261
1985480000	ZQV 1.5N/3	A.90
1985490000	ZQV 1.5N/4	A.90
1985500000	ZQV 1.5N/5	A.90
1985510000	ZQV 1.5N/6	A.90
1985520000	ZQV 1.5N/7	A.90
1985530000	ZQV 1.5N/2 BL	A.90
1985530000	ZQV 1.5N/2 BL	B.98
1985530000	ZQV 1.5N/2 BL	B.99
1985530000	ZQV 1.5N/2 BL	B.100
1985530000	ZQV 1.5N/2 BL	B.101
1985530000	ZQV 1.5N/2 BL	B.172
1985530000	ZQV 1.5N/2 BL	B.173
1985540000	ZQV 1.5N/8	A.90
1985550000	ZQV 1.5N/3 BL	A.90
1985560000	ZQV 1.5N/9	A.90
1985570000	ZQV 1.5N/4 BL	A.90
1985580000	ZQV 1.5N/10	A.12
1985580000	ZQV 1.5N/10	A.13
1985580000	ZQV 1.5N/10	A.17
1985580000	ZQV 1.5N/10	A.19
1985580000	ZQV 1.5N/10	A.22
1985580000	ZQV 1.5N/10	A.23
1985580000	ZQV 1.5N/10	A.54
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1985580000	ZQV 1.5N/10	A.56
1985580000	ZQV 1.5N/10	A.57
1985580000	ZQV 1.5N/10	A.90
1985580000	ZQV 1.5N/10	A.242
1985580000	ZQV 1.5N/10	B.261
1985590000	ZQV 1.5N/5 BL	A.90
1985600000	ZQV 1.5N/20	A.90
1985610000	ZQV 1.5N/6 BL	A.90
1985620000	ZQV 1.5N/50	A.90
1985630000	ZQV 1.5N/7 BL	A.90
1985640000	ZQV 1.5N/8 BL	A.90
1985650000	ZQV 1.5N/2 RD	A.90
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1985650000	ZQV 1.5N/2 RD	B.99
1985650000	ZQV 1.5N/2 RD	B.100
1985650000	ZQV 1.5N/2 RD	B.101
1985650000	ZQV 1.5N/2 RD	B.102
1985650000	ZQV 1.5N/2 RD	B.103
1985650000	ZQV 1.5N/2 RD	B.172
1985650000	ZQV 1.5N/2 RD	B.173
1985660000	ZQV 1.5N/9 BL	A.90
1985670000	ZQV 1.5N/3 RD	A.90
1985680000	ZQV 1.5N/10 BL	A.90
1985680000	ZQV 1.5N/10 BL	B.98
1985680000	ZQV 1.5N/10 BL	B.99
1985680000	ZQV 1.5N/10 BL	B.100
1985680000	ZQV 1.5N/10 BL	B.101
1985680000	ZQV 1.5N/10 BL	B.172
1985680000	ZQV 1.5N/10 BL	B.173
1985690000	ZQV 1.5N/4 RD	A.90
1985700000	ZQV 1.5N/20 BL	A.90
1985710000	ZQV 1.5N/5 RD	A.90
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1985730000	ZQV 1.5N/6 RD	A.90

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1985750000	ZQV 1.5N/7 RD	A.90
1985760000	ZQV 6N/3	A.91
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1985780000	ZQV 6N/4	A.91
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1985790000	ZQV 1.5N/9 RD	A.90
1985800000	ZQV 1.5N/10 RD	A.90
1985800000	ZQV 1.5N/10 RD	B.98
1985800000	ZQV 1.5N/10 RD	B.99
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1985800000	ZQV 1.5N/10 RD	B.101
1985800000	ZQV 1.5N/10 RD	B.102
1985800000	ZQV 1.5N/10 RD	B.103
1985800000	ZQV 1.5N/10 RD	B.172
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1985810000	ZQV 1.5N/20 RD	A.90
1985820000	ZQV 1.5N/50 RD	A.90
1985830000	ZQV 6N/2 BL	A.91
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1988170000	AAP11 1.5 LI BL	B.99
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1988230000	AAP14 2.5 LI-LI	B.107
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1988320000	AEP AP11	B.99
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1989780000	AAP11 6 LO RD	B.98
1989800000	ADT 2.5 2C	A.42
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1989810000	ADT 2.5 2C BL	A.46
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1989890000	A2C 2.5 PE /DT/FS	A.85
1989900000	A2C 2.5 /DT/FS	A.42
1989900000	A2C 2.5 /DT/FS	A.47
1989900000	A2C 2.5 /DT/FS	A.85
1989910000	A2C 2.5 /DT/FS BL	A.47
1989930000	ADT 2.5 2C W/O DTLV	A.46
1989940000	ADT 2.5 3C W/O DTLV	A.48
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1991780000	ALO 6	A.17
1991790000	A2C 6 BL	A.16
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1991810000	A2C 6 PE	A.35
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1991920000	AEB 35 SC/1	B.111
1991920000	AEB 35 SC/1	B.112

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1991930000	ATPG 6 MI-R	B.246
1991930000	ATPG 6 MI-R	B.248
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1991940000	AEP 3C 6	A.36
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2000080000	WDU 50N GE/SW	B.231
2000090000	WDU 35N GE/SW	B.230
2000100000	WDU 70N/35 GE/SW	B.232
2000110000	WDU 95N/120N GE/SW	B.232
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2003120000	A3C 2.5 LTGY	A.96
2003130000	A4C 2.5 LTGY	A.96
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2051220000	A2C 4 RD	A.96
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2080490000	AMG ELM-4F	B.121
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2108470000	ZQV 2.5N/2 RD	B.108
2108470000	ZQV 2.5N/2 RD	B.109
2108690000	ZQV 2.5N/3 RD	A.90
2108690000	ZQV 2.5N/3 RD	A.326
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2428940000	AAP21 10 LO BL	B.110
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2428980000	AAP21 4 DT	B.112
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2434350000	AFS 4 2C 30-70V BK	A.43
2434370000	AMC 2.5 800V	A.31
2434370000	AMC 2.5 800V	B.90
2434380000	AFS 4 2C 60-150V BK	A.43
2434390000	AFS 4 2C 100-250V BK	A.43
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2436380000	WTR 4/O.TNHE	A.287
2436390000	WTR 4 STB/O.TNHE	A.287
2436400000	WTR 4/ZR/O.TNHE	A.289
2436410000	WTR 4/ZR STB/O.TNHE	A.289
2436420000	WTR 4/ZZ/O.TNHE	A.288

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2448930000	WS-A 8/8 MM WS	A.36
2448930000	WS-A 8/8 MM WS	B.98
2448930000	WS-A 8/8 MM WS	B.99
2448930000	WS-A 8/8 MM WS	B.100
2448930000	WS-A 8/8 MM WS	B.101
2448930000	WS-A 8/8 MM WS	B.221
2449680000	ZP 4/1AN ZA O.RA BL	A.194

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2456000000	WDTR 2.5	A.296
2456010000	WDTR 2.5 BL	A.296
2456020000	WDTR 2.5/WE	A.296
2456030000	WDTR 2.5 O.STB	A.296
2457570000	APGLE 2.5/4	A.66
2457570000	APGLE 2.5/4	A.67
2457570000	APGLE 2.5/4	A.69
2457570000	APGLE 2.5/4	A.300
2457570000	APGLE 2.5/4	A.301
2457570000	APGLE 2.5/4	A.304
2457580000	APGSR 2.5/4	A.66
2457580000	APGSR 2.5/4	A.67
2457580000	APGSR 2.5/4	A.68
2457580000	APGSR 2.5/4	A.300
2457580000	APGSR 2.5/4	A.301
2457580000	APGSR 2.5/4	A.305
2457590000	APGSR 2.5/4 - 4P	A.66
2457590000	APGSR 2.5/4 - 4P	A.67
2457590000	APGSR 2.5/4 - 4P	A.68
2457590000	APGSR 2.5/4 - 4P	A.305
2457600000	APGSR 2.5/4 - 8P	A.66
2457600000	APGSR 2.5/4 - 8P	A.67
2457600000	APGSR 2.5/4 - 8P	A.68
2457600000	APGSR 2.5/4 - 8P	A.305
2458990000	AAP21 4 FS 10-36V	B.112
2459010000	AAP22 4 LI-FS 10-36V	B.115

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2460120000	AAP22 4 LI-FS 100-250V	B.115
2460130000	AAP22 4 LI-FS 60-150V	B.115
2460140000	AAP22 4 LI-FS 30-70V	B.115
2460180000	AAP21 4 FS 100-250V	B.112
2460190000	AAP21 4 FS 60-150V	B.112
2460200000	AAP21 4 FS 30-70V	B.112
2460450000	ZQV 4N/2 RD	A.90
2460450000	ZQV 4N/2 RD	A.326
2460450000	ZQV 4N/2 RD	B.110
2460450000	ZQV 4N/2 RD	B.111
2460450000	ZQV 4N/2 RD	B.112
2460450000	ZQV 4N/2 RD	B.114
2460450000	ZQV 4N/2 RD	B.115
2460740000	ZQV 4N/10 RD	A.90
2460740000	ZQV 4N/10 RD	A.326
2460740000	ZQV 4N/10 RD	B.110
2460740000	ZQV 4N/10 RD	B.111
2460740000	ZQV 4N/10 RD	B.112
2460740000	ZQV 4N/10 RD	B.114
2460740000	ZQV 4N/10 RD	B.115
2460750000	ZQV 4N/9 RD	A.90
2460750000	ZQV 4N/9 RD	A.326
2460760000	ZQV 4N/8 RD	A.90
2460760000	ZQV 4N/8 RD	A.326
2460770000	ZQV 4N/7 RD	A.90
2460770000	ZQV 4N/7 RD	A.326
2460780000	ZQV 4N/6 RD	A.90
2460780000	ZQV 4N/6 RD	A.326
2460790000	ZQV 4N/5 RD	A.90
2460790000	ZQV 4N/5 RD	A.326

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2460800000	ZQV 4N/4 RD	A.326
2460810000	ZQV 4N/3 RD	A.90
2460810000	ZQV 4N/3 RD	A.326
2463540000	TNST OR	A.52
2463540000	TNST OR	A.296
2463540000	TNST OR	B.256
2463540000	TNST OR	B.257
2463540000	TNST OR	B.258
2463540000	TNST OR	B.259
2464690000	AAP11 6/6X1.5 LO-LI RD	B.99
2464710000	AAP12 10/4X2.5 PE-LI	B.105
2464720000	AAP12 10/4X2.5 LO-LI BL	B.105
2464730000	AAP12 10/4X2.5 LO-LI RD	B.105
2464740000	AAP11 6/6X1.5 PE-LI	B.99
2464750000	AAP11 6/6X1.5 LO-LI BL	B.99
2466530000	AFS 2.5 CF 2C BK	A.42
2466530000	AFS 2.5 CF 2C BK	A.85
2466600000	AFS 2.5 CF 2C 24V BK	A.42
2466600000	AFS 2.5 CF 2C 24V BK	A.85
2466610000	AFS 2.5 CF 2C 12V BK	A.42
2466610000	AFS 2.5 CF 2C 12V BK	A.85
2469370000	A2T 1.5	A.22
2469370000	A2T 1.5	A.85
2469390000	A2T 1.5 FT-PE	A.23
2469400000	A2T 1.5 VL	A.23
2469410000	A2T 1.5 PE	A.39
2469410000	A2T 1.5 PE	A.85
2469420000	AEP 2T 1.5	A.22
2469420000	AEP 2T 1.5	A.23
2469420000	AEP 2T 1.5	A.39
2469420000	AEP 2T 1.5	A.56
2469420000	AEP 2T 1.5	A.57
2469420000	AEP 2T 1.5	B.261

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2471430000	A2T 1.5 BL	A.22
2471450000	A2T 1.5 VL BL	A.23
2471470000	AEP 2T 1.5 BL	A.22
2471470000	AEP 2T 1.5 BL	A.23
2471470000	AEP 2T 1.5 BL	A.56
2471470000	AEP 2T 1.5 BL	A.57
2471470000	AEP 2T 1.5 BL	B.261
2475310000	AEB 35 SC/1 BK	B.36
2475310000	AEB 35 SC/1 BK	B.37
2475310000	AEB 35 SC/1 BK	B.40
2475310000	AEB 35 SC/1 BK	B.42
2475310000	AEB 35 SC/1 BK	B.44

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2482160000	APGTB 1.5 FT 2C/1	A.54
2482160000	APGTB 1.5 FT 2C/1	A.85
2482170000	APGTB 1.5 FT 2C/1 BL	A.54
2482180000	APGTB 1.5 FT 3C/1	A.55
2482180000	APGTB 1.5 FT 3C/1	A.85
2482190000	APGTB 1.5 FT 3C/1 BL	A.55
2482200000	APGTB 1.5 FT 4C/2	A.55
2482200000	APGTB 1.5 FT 4C/2	A.85
2482210000	APGTB 1.5 FT 4C/2 BL	A.55
2482220000	APGTB 1.5 PE 2C/1	A.54
2482220000	APGTB 1.5 PE 2C/1	A.85
2482230000	APGTB 1.5 PE 3C/1	A.55
2482230000	APGTB 1.5 PE 3C/1	A.85
2482240000	APGTB 1.5 PE 4C/2	A.56
2482240000	APGTB 1.5 PE 4C/2	A.85
2482250000	APG 1.5 L	A.54
2482250000	APG 1.5 L	A.55
2482250000	APG 1.5 L	A.56
2482250000	APG 1.5 L	A.57
2482250000	APG 1.5 L	A.68
2482260000	APG 1.5 L BL	A.68
2482270000	APG 1.5 L GN	A.68
2482280000	APG 1.5 MI	A.54
2482280000	APG 1.5 MI	A.55
2482280000	APG 1.5 MI	A.56
2482280000	APG 1.5 MI	A.57
2482280000	APG 1.5 MI	A.68
2482290000	APG 1.5 MI BL	A.68
2482300000	APG 1.5 MI GN	A.68
2482310000	APG 1.5 R	A.54
2482310000	APG 1.5 R	A.55
2482310000	APG 1.5 R	A.56
2482310000	APG 1.5 R	A.57
2482310000	APG 1.5 R	A.68
2482320000	APG 1.5 R BL	A.68
2482330000	APG 1.5 R GN	A.68
2482340000	APG 1.5/1	A.54
2482340000	APG 1.5/1	A.55
2482340000	APG 1.5/1	A.56
2482340000	APG 1.5/1	A.57
2482340000	APG 1.5/1	A.66
2482350000	APG 1.5/2	A.66
2482360000	APG 1.5/3	A.66
2482370000	APG 1.5/4	A.66
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2482430000	APG 1.5/10	A.56
2482430000	APG 1.5/10	A.57
2482430000	APG 1.5/10	A.66
2482440000	APG 1.5/5-3BG-BL-GN	A.66
2482450000	APG 1.5/4-3BG-GN	A.66
2482460000	APG 1.5/3-BG-BL-GN	A.66
2482510000	AEP PGTB 1.5 4C/2	A.55
2482510000	AEP PGTB 1.5 4C/2	A.56
2482520000	AEP PGTB 1.5 4C/2 BL	A.55
2482530000	APGPC 1.5	A.66
2482530000	APGPC 1.5	A.69
2482720000	APGLE 1.5	A.66
2482720000	APGLE 1.5	A.69
2482730000	APGSR 1.5	A.66
2482730000	APGSR 1.5	A.68
2482740000	APGSR 1.5 - 4P	A.66
2482740000	APGSR 1.5 - 4P	A.68
2482750000	APGSR 1.5 - 8P	A.66
2482750000	APGSR 1.5 - 8P	A.68
2484220000	WS 12/9.5-11 MC NE WS	A.343
2484220000	WS 12/9.5-11 MC NE WS	A.344
2484220000	WS 12/9.5-11 MC NE WS	B.168
2484220000	WS 12/9.5-11 MC NE WS	B.169
2485840000	APGTB 1.5 2T 4C/2	A.56
2485840000	APGTB 1.5 2T 4C/2	A.85
2485850000	APGTB 1.5 2T 4C/2 BL	A.56
2485860000	APGTB 1.5 2T FT-PE 4C/2	A.57
2485870000	APGTB 1.5 2T PE 4C/2	A.57
2485870000	APGTB 1.5 2T PE 4C/2	A.85
2485920000	APGTB 1.5 2T VL 4C/2	A.57
2485930000	APGTB 1.5 2T VL 4C/2 BL	A.57
2485980000	MCV APG 1.5	A.66
2485980000	MCV APG 1.5	A.68
2486640000	AEP 3C 4 BK	A.43
2486640000	AEP 3C 4 BK	A.44
2486660000	AEP 4C 2.5 BK	A.42
2488970000	APP 1	A.85
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2489100000	APP 3	A.85
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2490370000	A2C 10 BL	A.18
2490380000	AEP 2C 10/16	A.18
2490380000	AEP 2C 10/16	A.19
2490380000	AEP 2C 10/16	A.36
2490380000	AEP 2C 10/16	A.37
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2490390000	AEP 2C 10/16 BL	A.18
2490390000	AEP 2C 10/16 BL	A.19
2490440000	A2C 10 PE	A.36
2490510000	A3C 10 BL	A.18
2490520000	A3C 10	A.18
2490530000	AEP 3C 10/16	A.18
2490530000	AEP 3C 10/16	A.19
2490530000	AEP 3C 10/16	A.37
2490540000	AEP 3C 10/16 BL	A.18
2490540000	AEP 3C 10/16 BL	A.19
2490590000	A3C 10 PE	A.37
2491270000	AMG ELM-1F CL2	B.121
2491280000	AMG ELM-2F CL2	B.121
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2494000000	A2C 16	A.19
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2494020000	A3C 16 PE	A.37
2494080000	A3C 16 BL	A.19
2494090000	A3C 16	A.19
2494100000	A2C 16 BL	A.19
2495040000	AMG MD EX	B.121
2495070000	AMG PD EX	B.121
2495080000	AMG XMD EX	B.121
2495090000	AMG OD EX	B.121
2495100000	AMG DIS EX	B.121
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2496040000	HV4000/2-M12 F	A.367
2496050000	HV4000/3-M12 F	A.367
2497250000	ZQV 10N/2	A.18
2497250000	ZQV 10N/2	A.91
2497250000	ZQV 10N/2	B.245
2497250000	ZQV 10N/2	B.249
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2497290000	ZQV 16N/2	A.91

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2502320000	ALO 16 BL	A.19
2502530000	WPD 130 1X50/1X50 GY	B.36
2502540000	WPD 130 1X50/1X50 BL	B.36
2502550000	WPD 130 1X50/1X50 GN	B.36
2502560000	WPD 130 1X50/1X50 BN	B.36
2502570000	WPD 130 1X50/1X50 BK	B.36

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2502580000	WPD 230 2X50/2X50 GY	B.36
2502590000	WPD 230 2X50/2X50 BL	B.36
2502600000	WPD 230 2X50/2X50 GN	B.36
2502610000	WPD 230 2X50/2X50 BN	B.36
2502620000	WPD 330 3X50/3X50 3XGY	B.37
2502640000	WPD 330 3X50/3X50 1XGY/1XBL/1XGN	B.37
2502650000	WPD 330 3X50/3X50 1XBN/1XBK/1XGY	B.37
2502660000	WPD 131 1X95/1X95 BL	B.40
2502670000	WPD 131 1X95/1X95 GN	B.40
2502680000	WPD 131 1X95/1X95 BN	B.40
2502690000	WPD 131 1X95/1X95 BK	B.40
2502700000	WPD 231 2X95/2X95 GY	B.40
2502710000	WPD 231 2X95/2X95 BL	B.40
2502720000	WPD 231 2X95/2X95 GN	B.40
2502730000	WPD 231 2X95/2X95 BN	B.40
2502740000	WPD 231 2X95/2X95 BK	B.40
2502750000	WPD 132 1X185/1X185 GY	B.42
2502760000	WPD 132 1X185/1X185 BL	B.42
2502770000	WPD 132 1X185/1X185 GN	B.42
2502780000	WPD 132 1X185/1X185 BN	B.42
2502790000	WPD 132 1X185/1X185 BK	B.42
2502800000	WPD 232 2X185/2X185 GY	B.42
2502810000	WPD 232 2X185/2X185 BL	B.42
2502820000	WPD 232 2X185/2X185 GN	B.42
2502830000	WPD 232 2X185/2X185 BN	B.42
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2502850000	WPD 133 1X300/1X300 GY	B.44
2502860000	WPD 133 1X300/1X300 BL	B.44
2502870000	WPD 133 1X300/1X300 GN	B.44
2502880000	WPD 133 1X300/1X300 BN	B.44
2502890000	WPD 133 1X300/1X300 BK	B.44
2502900000	WPD 233 2X300/2X300 GY	B.44
2502910000	WPD 233 2X300/2X300 BL	B.44
2502920000	WPD 233 2X300/2X300 GN	B.44
2502930000	WPD 233 2X300/2X300 BN	B.44
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2503090000	WPD 131 1X95/1X95 GY	B.40
2503330000	WPDPC X30 GY	B.36
2503330000	WPDPC X30 GY	B.37
2503370000	WPDPC X31 GY	B.40
2503380000	WPDPC X32 GY	B.42
2503390000	WPDPC X33 GY	B.44
2503650000	AAP11 6 LO OR	B.98
2503870000	AAP11 6/6X1.5 LO-LI OR	B.99
2503880000	AAP12 2.5 LI OR	B.105
2503890000	AAP12 10/4X2.5 LO-LI OR	B.105
2503900000	AAP12 10 LO OR	B.104
2503910000	AAP11 1.5 LI OR	B.99
2506090000	SET AAP11 6/1.5/12C	B.102
2506340000	SET AAP13 6/1.5/12C	B.103
2506350000	SET AAP12 10/2.5/10C	B.108
2506360000	SET AAP14 10/2.5/10C	B.109
2506370000	SET AAP11 6/1.5/24C	B.102
2506380000	SET AAP13 6/1.5/24C	B.103
2508000000	A2C 2.5 DBL	A.96
2508020000	A2C 1.5 RD	A.96
2508030000	A2C 2.5 BR	A.96
2508160000	A2C 1.5 WT	A.96
2508170000	A2C 1.5 BK	A.96
2508180000	A2C 1.5 DBL	A.96
2508190000	A2C 1.5 YL	A.96
2508200000	A2C 1.5 BR	A.96
2508210000	A2C 1.5 GN	A.96
2508220000	A2C 1.5 LTGY	A.96

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2518250000	WPD 104 1X25+1X16/2X16+3X10 BL	B.64
2518330000	WPD 204 2X25/4X16+6X10 2XBL	B.64
2518340000	WPD 304 3X25/6X16+9X10 3XBL	B.65
2518540000	WPD 105 1X35+1X16/2X25+3X16 BL	B.68
2518570000	WPD 106 1X70/2X25+3X16 BL	B.72
2519470000	WPD 205 2X35/4X25+6X16 2XBL	B.68
2519480000	WPD 108 1X120/2X35+3X25+4X16 BL	B.76
2519490000	WPD 109 1X185/2X35+3X25+4X16 BL	B.78

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2521730000	WPD 107 1X95/2X35+8X25 BL	B.74
2521770000	WPD 305 3X35/6X25+9X16 3XBL	B.69
2522720000	AAP11 6 LO BL/OR	B.98
2522830000	AAP11 6/6X1.5 LO-LI BL/OR	B.99
2522840000	AAP12 2.5 LI BL/OR	B.105
2522850000	AAP12 10/4X2.5 LO-LI BL/OR	B.105
2522860000	AAP12 10 LO BL/OR	B.104
2522870000	AAP11 1.5 LI BL/OR	B.99

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2531300000	A2T 2.5 3C FT-PE	A.27
2531310000	A2T 2.5 3C VL	A.26
2531320000	A2T 2.5 3C PE	A.40
2531510000	A2T 2.5 3C BL	A.25
2531530000	A2T 2.5 3C VL BL	A.26
2532690000	AEP 2T 2.5 3C	A.25
2532690000	AEP 2T 2.5 3C	A.40
2532700000	AEP 2T 2.5 3C BL	A.25

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2534360000	A3C 4 DBL	A.96
2534370000	A2C 4 BR	A.96
2534380000	A2C 4 DBL	A.96
2534390000	A4C 4 BR	A.96
2534400000	A4C 4 DBL	A.96
2534410000	A4C 1.5 GN	A.96
2534420000	A4C 1.5 LTGY	A.96
2534430000	A4C 1.5 RD	A.96
2534440000	A4C 1.5 WT	A.96
2534450000	A4C 1.5 YL	A.96
2534460000	A4C 1.5 BR	A.96
2534470000	A4C 1.5 DBL	A.96
2534480000	A3C 1.5 GN	A.96
2534490000	A3C 1.5 LTGY	A.96
2534500000	A3C 1.5 RD	A.96
2534510000	A3C 1.5 WT	A.96
2534520000	A3C 1.5 YL	A.96
2534530000	A3C 1.5 BR	A.96
2534540000	A3C 1.5 DBL	A.96
2534690000	A3C 2.5 DBL	A.96
2534730000	A3C 2.5 BR	A.96
2534740000	A4C 2.5 DBL	A.96
2534750000	A4C 2.5 BR	A.96
2539970000	A2T 4	A.27
2539980000	A2T 4 FT-PE	A.28
2539990000	A2T 4 PE	A.40

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2540000000	AEP 2T 4	A.27
2540000000	AEP 2T 4	A.28
2540000000	AEP 2T 4	A.40
2540000000	AEP 2T 4	A.64
2540000000	AEP 2T 4	A.65
2540010000	AEP 2T 4 BL	A.27
2540010000	AEP 2T 4 BL	A.28
2540010000	AEP 2T 4 BL	A.64
2540010000	AEP 2T 4 BL	A.65
2540020000	A2T 4 VL	A.28
2540030000	A2T 4 VL BL	A.28
2540040000	A2T 4 BL	A.27
2540050000	APGTB 4 FT 2C/1	A.62
2540060000	APGTB 4 FT 2C/1 BL	A.62
2540070000	APGTB 4 FT 3C/1	A.63
2540080000	APGTB 4 FT 3C/1 BL	A.63
2540090000	APGTB 4 FT 4C/2	A.63
2540100000	APGTB 4 FT 4C/2 BL	A.63
2540110000	APGTB 4 PE 2C/1	A.62
2540170000	APGTB 4 PE 3C/1	A.63
2540180000	APGTB 4 PE 4C/2	A.64
2540210000	AEP PGTB 4 4C/2	A.63
2540210000	AEP PGTB 4 4C/2	A.64
2540230000	APGTB 4 2T 4C/2	A.64
2540250000	APGTB 4 2T 4C/2 BL	A.64
2540260000	APGTB 4 2T VL 4C/2	A.65
2540270000	APGTB 4 2T VL 4C/2 BL	A.65
2540280000	AEP PGTB 4 4C/2 BL	A.63
2540280000	AEP PGTB 4 4C/2 BL	A.64
2540290000	APGTB 4 2T FT-PE 4C/2	A.65
2540300000	APGTB 4 2T PE 4C/2	A.65
2540360000	APG 4 L	A.62
2540360000	APG 4 L	A.63
2540360000	APG 4 L	A.64
2540360000	APG 4 L	A.65
2540360000	APG 4 L	A.68
2540430000	APG 4/5-3BG-BL-GN	A.67
2540440000	APG 4/4-3BG-GN	A.67
2540450000	APG 4/3-BG-BL-GN	A.67
2540460000	APG 4/1	A.62
2540460000	APG 4/1	A.63
2540460000	APG 4/1	A.64
2540460000	APG 4/1	A.65
2540460000	APG 4/1	A.67
2540470000	APG 4/2	A.67
2540480000	APG 4/3	A.67
2540490000	APG 4/4	A.67
2540500000	APG 4/5	A.67
2540510000	APG 4/6	A.67
2540520000	APG 4/7	A.67
2540530000	APG 4/8	A.67
2540540000	APG 4/9	A.67
2540550000	APG 4/10	A.62
2540550000	APG 4/10	A.63
2540550000	APG 4/10	A.64
2540550000	APG 4/10	A.65
2540550000	APG 4/10	A.67
2540560000	APG 4 L BL	A.68
2540570000	APG 4 L GN	A.68
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2540590000	APG 4 MI BL	A.68
2540600000	APG 4 MI GN	A.68
2540610000	APG 4 R	A.62

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2551520000	A2C 35 PE	A.38
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2551540000	A2C 35 3FT-N-PE	B.11
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2552090000	A2C 35 BL	A.20
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2552100000	A2C 35 3FT	B.10
2552110000	A2C 35 3FT-FE	B.10
2552120000	A2C 35 3FT-PE	B.11
2552130000	A2C 35 3FT-N	B.10
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2552150000	A2C 35 BL DM	A.20
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2552160000	A2C 35 FE DM	B.9
2552160000	A2C 35 FE DM	B.224
2552170000	A2C 35 3FT DM	B.11
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2561960000	WFS 4 100-250V	A.265
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2562000000	WFS 4 BL	A.264
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2562660000	ZQV 35N-16	B.10
2562660000	ZQV 35N-16	B.11
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2562660000	ZQV 35N-16	B.224
2562670000	ZQV 35N-10	A.20
2562670000	ZQV 35N-10	A.91
2562670000	ZQV 35N-10	B.8
2562670000	ZQV 35N-10	B.9
2562670000	ZQV 35N-10	B.10
2562670000	ZQV 35N-10	B.11
2562670000	ZQV 35N-10	B.12
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2563830000	ST 4000/S M8	A.364
2563860000	ST 4000/S M10	A.364
2563880000	ST 4000/L M12	A.365
2563890000	ST 4000/S P150	A.364
2563900000	ST 4000/L P180	A.365
2563910000	ST 4000/S E150	A.364
2563920000	ST 4000/L E180	A.365
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2563950000	ST 4000/S CB M8/4	A.364
2563960000	ST 4000/S CB M10/4	A.364
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2564000000	ST 4000/L CB M12/6	A.365
2564010000	ST 4000/S J2 M8	A.364
2564020000	ST 4000/S J3 M8	A.364
2564100000	ST 4000/L J2 M12	A.365
2564110000	ST 4000/L J3 M12	A.365
2564120000	ST 4000/L J4 M12	A.365
2564170000	ST 4000/S S150	A.364
2564180000	ST 4000/L S180	A.365
2564350000	WSI 4/LD 10-36V AC/DC	A.267
2564360000	WSI 4/LD 30-70V AC/DC	A.267
2564370000	WSI 4/LD 60-150V AC/DC	A.267
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2570240000	AEB 35 SCL/1 VO DL	A.95
2570250000	AEB 35 SCL/1 VO BK DL	A.95
2570260000	AEB 35 SCL/1 VO GY DL	A.95
2579570000	AIO21 1.5 SO OR	B.172
2579580000	AIO21 1.5 SO-PE OR	B.173
2579610000	AIO21 1.5 SI OR	B.172
2579620000	AIO23 1.5 2SI OR	B.173
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2581250000	A2T 2.5 SNAPMARK	A.24
2581280000	A2T 2.5 SNAPMARK BL	A.24
2581690000	AAP21 10 LO OR	B.110
2581700000	AAP21 4 LI OR	B.111
2581710000	AAP21 4 DT OR	B.112
2581720000	AAP21 4 FS OR	B.112
2581790000	AAP21 4 FS 100-250V OR	B.112
2581800000	AAP21 10 LO BL/OR	B.111
2582520000	AAP21 4 DT BL/OR	B.112
2582530000	AAP21 4 LI BL/OR	B.111
2583090000	AAC 35 2X6	A.20
2583090000	AAC 35 2X6	B.8
2583090000	AAC 35 2X6	B.9
2583090000	AAC 35 2X6	B.10
2583090000	AAC 35 2X6	B.11
2583090000	AAC 35 2X6	B.12
2583090000	AAC 35 2X6	B.224
2583170000	AAC 35 2X6 BL	A.20
2583170000	AAC 35 2X6 BL	B.8
2583170000	AAC 35 2X6 BL	B.9
2583170000	AAC 35 2X6 BL	B.10
2583170000	AAC 35 2X6 BL	B.11
2583170000	AAC 35 2X6 BL	B.12
2583170000	AAC 35 2X6 BL	B.224
2583180000	AAC 35 2X6 GN-YL	A.20
2583180000	AAC 35 2X6 GN-YL	A.38
2583180000	AAC 35 2X6 GN-YL	B.8
2583180000	AAC 35 2X6 GN-YL	B.9
2583180000	AAC 35 2X6 GN-YL	B.10
2583180000	AAC 35 2X6 GN-YL	B.11
2583180000	AAC 35 2X6 GN-YL	B.12
2583180000	AAC 35 2X6 GN-YL	B.224
2583190000	AAC 35 2X6 BK-YL	A.20
2583190000	AAC 35 2X6 BK-YL	B.8
2583190000	AAC 35 2X6 BK-YL	B.9
2583190000	AAC 35 2X6 BK-YL	B.10
2583190000	AAC 35 2X6 BK-YL	B.11
2583190000	AAC 35 2X6 BK-YL	B.12
2583190000	AAC 35 2X6 BK-YL	B.224

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2603740000	WPD 113 1X185+1X150/8X35 GY	B.82
2603750000	WPD 113 1X185+1X150/8X35 BL	B.82
2603790000	WPD 111 1X95/4X35 GY	B.80
2603800000	WPD 111 1X95/4X35 BL	B.80
2603810000	WPD 110 1X70+1X35/6X16 GY	B.52
2603820000	WPD 110 1X70+1X35/6X16 BL	B.52
2603830000	WPD 110 1X70+1X35/6X16 GN	B.52
2603840000	WBBD 16 GY	C.14
2603850000	WBBD 16 BL	C.14
2603860000	WBBD 16 GN	C.14

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2614100000	AAP11 1.5 LI GN/OR	B.99
2614110000	AAP12 2.5 LI GN/OR	B.105
2614930000	SRL 3	A.343
2614940000	SRL 4	A.343
2614950000	SRL 4 STB	A.344
2614960000	SRL 6	A.344
2614970000	SDL 4 FT	B.169
2614980000	SDL 4	B.169
2614990000	SEP SRL 3	A.343
2615000000	SEP SRL 4	A.343
2615000000	SEP SRL 4	A.344
2615010000	SEP SRL 6	A.344
2615020000	SEP SDL 4	B.168
2615020000	SEP SDL 4	B.169
2615030000	SQV 3/2	A.343
2615040000	SQV 3/3	A.343
2615050000	SQV 3/4	A.343
2615070000	SQV 3/10	A.343
2615080000	SQV 6/2	A.344
2615090000	SQV 6/3	A.344
2615100000	SQV 6/4	A.344
2615110000	SQB 3/2	A.343
2615120000	SQB 3/3	A.343
2615130000	SQB 3/4	A.343
2615140000	SQB 4/2	A.343
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2615140000	SQB 4/2	B.169
2615150000	SQB 4/3	A.343
2615150000	SQB 4/3	A.344
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2615160000	SQB 4/4	A.343
2615160000	SQB 4/4	A.344
2615160000	SQB 4/4	B.169
2615190000	SRQB 3/2	A.343
2615200000	SRQB 3/3	A.343
2615210000	SRQB 3/4	A.343
2615220000	SRQB 4/2	A.343
2615220000	SRQB 4/2	A.344
2615230000	SRQB 4/3	A.343
2615230000	SRQB 4/3	A.344
2615230000	SRQB 4/3	B.169
2615240000	SRQB 4/4	A.343
2615240000	SRQB 4/4	A.344
2615240000	SRQB 4/4	B.169
2615250000	SQS 4/2	A.344
2615250000	SQS 4/2	B.168
2615250000	SQS 4/2	B.169
2615260000	SQS 4/4	A.344
2615260000	SQS 4/4	B.168
2615260000	SQS 4/4	B.169
2615270000	SSI 4	B.168
2619410000	AAP12 10 LO GN/OR	B.104
2619890000	WS-A 8/10 MM WS	B.104
2619890000	WS-A 8/10 MM WS	B.105
2619890000	WS-A 8/10 MM WS	B.106
2619900000	WS-A 8/12 MM WS	B.110
2619900000	WS-A 8/12 MM WS	B.114
2619910000	WS-A 8/16 MM WS	A.20
2619910000	WS-A 8/16 MM WS	A.21
2619910000	WS-A 8/16 MM WS	A.22
2619910000	WS-A 8/16 MM WS	A.38
2619910000	WS-A 8/16 MM WS	A.39
2619910000	WS-A 8/16 MM WS	B.8
2619910000	WS-A 8/16 MM WS	B.9
2619910000	WS-A 8/16 MM WS	B.10
2619910000	WS-A 8/16 MM WS	B.11
2619910000	WS-A 8/16 MM WS	B.16
2619910000	WS-A 8/16 MM WS	B.17
2619910000	WS-A 8/16 MM WS	B.18
2619910000	WS-A 8/16 MM WS	B.19
2619910000	WS-A 8/16 MM WS	B.20
2619910000	WS-A 8/16 MM WS	B.21
2619910000	WS-A 8/16 MM WS	B.22
2619910000	WS-A 8/16 MM WS	B.224
2619910000	WS-A 8/16 MM WS	B.225
2619910000	WS-A 8/16 MM WS	B.226

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2623550000	A2T 2.5 3C N-PE	A.27
2623910000	AAP13 6 LO-LO OR	B.101
2623920000	AAP13 1.5 LI-LI OR	B.101

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2634950000	ZQV 35N/2	A.20
2634950000	ZQV 35N/2	A.91
2634950000	ZQV 35N/2	B.8
2634950000	ZQV 35N/2	B.9
2634950000	ZQV 35N/2	B.10
2634950000	ZQV 35N/2	B.11
2634950000	ZQV 35N/2	B.12
2634950000	ZQV 35N/2	B.224
2635520000	AAM 1.5 YE FLASH	A.94
2635550000	AAM 2.5 YE FLASH	A.94
2635560000	AAM 4 YE FLASH	A.94
2635570000	AAM 6 YE FLASH	A.94
2635580000	AAM 10 YE FLASH	A.94
2635590000	AAM 16 YE FLASH	A.94
2635600000	AAM 35-185 YE FLASH	A.20
2635600000	AAM 35-185 YE FLASH	A.21
2635600000	AAM 35-185 YE FLASH	A.22
2635600000	AAM 35-185 YE FLASH	A.38
2635600000	AAM 35-185 YE FLASH	A.39
2635600000	AAM 35-185 YE FLASH	B.8
2635600000	AAM 35-185 YE FLASH	B.9
2635600000	AAM 35-185 YE FLASH	B.10
2635600000	AAM 35-185 YE FLASH	B.11
2635600000	AAM 35-185 YE FLASH	B.12
2635600000	AAM 35-185 YE FLASH	B.16
2635600000	AAM 35-185 YE FLASH	B.17
2635600000	AAM 35-185 YE FLASH	B.18
2635600000	AAM 35-185 YE FLASH	B.19
2635600000	AAM 35-185 YE FLASH	B.20
2635600000	AAM 35-185 YE FLASH	B.21
2635600000	AAM 35-185 YE FLASH	B.22
2635600000	AAM 35-185 YE FLASH	B.224
2635600000	AAM 35-185 YE FLASH	B.225
2635600000	AAM 35-185 YE FLASH	B.226

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2652200000	A2T 1.5 KNX RD-BK	B.261
2652210000	A2T 1.5 KNX WT-YL	B.261
2657770000	G-1L-106/10	C.25
2657780000	G-1L-106/16	C.25
2657790000	G-1L-160/10	C.25
2657800000	G-1L-160/16	C.25
2657810000	G-1L-210/10	C.25
2657820000	G-1L-210/16	C.25
2657830000	G-1L-268/10	C.25
2657840000	G-1L-268/16	C.25
2657850000	G-1L-320/10	C.25
2657860000	G-1L-320/16	C.25
2657870000	G-1L-1000/10	C.25
2657880000	G-1L-1000/16	C.25
2657890000	G-1L+9-1000/10	C.25
2657900000	G-1L+9-1000/16	C.25
2657910000	G-1L-27-1000/10	C.25
2657920000	G-1L-27-1000/16	C.25
2657930000	S-1L-106/10	C.26
2657940000	S-1L-106/16	C.26
2657950000	S-1L-160/10	C.26
2657960000	S-1L-160/16	C.26
2657970000	S-1L-210/10	C.26
2657980000	S-1L-210/16	C.26
2657990000	S-1L-268/10	C.26
2658000000	S-1L-268/16	C.26
2658010000	S-1L-320/10	C.26
2658020000	S-1L-320/16	C.26
2658030000	S-1L-1000/10	C.26
2658040000	S-1L-1000/16	C.26
2658050000	S-1L+9-1000/10	C.26
2658060000	S-1L+9-1000/16	C.26
2658070000	S-1L-27-1000/10	C.26
2658080000	S-1L-27-1000/16	C.26
2658090000	G-2L-106/10	C.27
2658100000	G-2L-106/16	C.27
2658110000	G-2L-210/10	C.27
2658120000	G-2L-210/16	C.27
2658130000	G-2L-320/10	C.27
2658140000	G-2L-320/16	C.27
2658150000	G-2L-1000/10	C.27
2658160000	G-2L-1000/16	C.27
2658170000	G-2L+9-1000/10	C.27
2658180000	G-2L+9-1000/16	C.27
2658190000	G-2L-27-1000/10	C.27
2658200000	G-2L-27-1000/16	C.27
2658210000	S-2L-106/10	C.28
2658220000	S-2L-106/16	C.28
2658230000	S-2L-210/10	C.28
2658240000	S-2L-210/16	C.28
2658250000	S-2L-320/10	C.28
2658260000	S-2L-320/16	C.28
2658270000	S-2L-1000/10	C.28
2658280000	S-2L-1000/16	C.28
2658290000	S-2L+9-1000/10	C.28
2658300000	S-2L+9-1000/16	C.28
2658310000	S-2L-27-1000/10	C.28
2658320000	S-2L-27-1000/16	C.28
2658330000	G-3L-106/10 C	C.29
2658340000	G-3L-106/16 C	C.29
2658350000	G-3L-160/10 C	C.29
2658360000	G-3L-160/16 C	C.29
2658370000	G-3L-210/10 C	C.29
2658380000	G-3L-210/16 C	C.29
2658390000	G-3L-268/10 C	C.29
2658400000	G-3L-268/16 C	C.29
2658410000	G-3L-320/10 C	C.29
2658420000	G-3L-320/16 C	C.29
2658430000	G-3L-375/10 C	C.29
2658440000	G-3L-375/16 C	C.29
2658450000	G-3L-1000/10 C	C.29
2658460000	G-3L-1000/16 C	C.29
2658470000	G-3L+9-1000/10 C	C.29
2658480000	G-3L+9-1000/16 C	C.29
2658490000	G-3L-27-1000/10	C.29
2658500000	G-3L-27-1000/16	C.29
2658510000	S-3L-106/10	C.30
2658520000	S-3L-106/16	C.30
2658530000	S-3L-160/10	C.30
2658540000	S-3L-160/16	C.30
2658550000	S-3L-210/10	C.30
2658560000	S-3L-210/16	C.30
2658570000	S-3L-268/10	C.30
2658580000	S-3L-268/16	C.30
2658590000	S-3L-320/10	C.30
2658600000	S-3L-320/16	C.30
2658610000	S-3L-375/10	C.30
2658620000	S-3L-375/16	C.30
2658630000	S-3L-1000/10	C.30
2658640000	S-3L-1000/16	C.30
2658650000	S-3L+9-1000/10	C.30
2658660000	S-3L+9-1000/16	C.30
2658670000	S-3L-27-1000/10	C.30
2658680000	S-3L-27-1000/16	C.30
2658690000	G-4L-140/10 C	C.31
2658700000	G-4L-140/16 C	C.31
2658710000	G-4L-210/10 C	C.31
2658720000	G-4L-210/16 C	C.31
2658730000	G-4L-285/10 C	C.31
2658740000	G-4L-285/16 C	C.31
2658750000	G-4L-1000/10 C	C.31
2658760000	G-4L-1000/16 C	C.31
2658770000	G-4L+9-1000/10 C	C.31
2658780000	G-4L+9-1000/16 C	C.31
2658790000	G-1L+N-2L+N-3L+N-1000/10 C	C.31
2658800000	G-1L+N-2L+N-3L+N-1000/16 C	C.31
2658810000	G-1L+N+9-2L+N+9-3L+N+9-1000/10 C	C.31
2658820000	G-1L+N+9-2L+N+9-3L+N+9-1000/16 C	C.31
2658830000	S-4L-140/10	C.32
2658840000	S-4L-140/16	C.32
2658850000	S-4L-210/10	C.32
2658860000	S-4L-210/16	C.32
2658870000	S-4L-285/10	C.32

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2658880000	S-4L-285/16	C.32
2658890000	S-4L-1000/10	C.32
2658900000	S-4L-1000/16	C.32
2658910000	S-4L+9-1000/10	C.32
2658920000	S-4L+9-1000/16	C.32
2658970000	END CAP G+S 1L/10-16	C.25
2658970000	END CAP G+S 1L/10-16	C.26
2658980000	END CAP G+S 2L/10	C.27
2658980000	END CAP G+S 2L/10	C.28
2658990000	END CAP G+S 2L/16	C.27
2658990000	END CAP G+S 2L/16	C.28
2659000000	END CAP G+S 3L/10	C.29
2659000000	END CAP G+S 3L/10	C.30
2659010000	END CAP G+S 4L/10	C.31
2659010000	END CAP G+S 4L/10	C.32
2659030000	END CAP G+S 4L/16	C.31
2659030000	END CAP G+S 4L/16	C.32
2659040000	PROTECTION COVER G+S /5	C.33
2659050000	FIT 25 GN	C.33
2659060000	FIT 25 SN	C.33
2659070000	FIT 50 GN	C.33
2659080000	FIT 50 SN	C.33
2659090000	FIT 50 GN/F	C.33
2659100000	FIT 50 SN/F	C.33
2659600000	END CAP G+S 3L/16	C.29
2659600000	END CAP G+S 3L/16	C.30

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2661280000	AEB 35 SCL/1 V0	A.6
2661280000	AEB 35 SCL/1 V0	A.7
2661280000	AEB 35 SCL/1 V0	A.8
2661280000	AEB 35 SCL/1 V0	A.9
2661280000	AEB 35 SCL/1 V0	A.12
2661280000	AEB 35 SCL/1 V0	A.13
2661280000	AEB 35 SCL/1 V0	A.14
2661280000	AEB 35 SCL/1 V0	A.15
2661280000	AEB 35 SCL/1 V0	A.16
2661280000	AEB 35 SCL/1 V0	A.17
2661280000	AEB 35 SCL/1 V0	A.18
2661280000	AEB 35 SCL/1 V0	A.19
2661280000	AEB 35 SCL/1 V0	A.20
2661280000	AEB 35 SCL/1 V0	A.21
2661280000	AEB 35 SCL/1 V0	A.22
2661280000	AEB 35 SCL/1 V0	A.23
2661280000	AEB 35 SCL/1 V0	A.24
2661280000	AEB 35 SCL/1 V0	A.25
2661280000	AEB 35 SCL/1 V0	A.26
2661280000	AEB 35 SCL/1 V0	A.27
2661280000	AEB 35 SCL/1 V0	A.28
2661280000	AEB 35 SCL/1 V0	A.29
2661280000	AEB 35 SCL/1 V0	A.30
2661280000	AEB 35 SCL/1 V0	A.31
2661280000	AEB 35 SCL/1 V0	A.32
2661280000	AEB 35 SCL/1 V0	A.33
2661280000	AEB 35 SCL/1 V0	A.34
2661280000	AEB 35 SCL/1 V0	A.35
2661280000	AEB 35 SCL/1 V0	A.36
2661280000	AEB 35 SCL/1 V0	A.37
2661280000	AEB 35 SCL/1 V0	A.38
2661280000	AEB 35 SCL/1 V0	A.39
2661280000	AEB 35 SCL/1 V0	A.40
2661280000	AEB 35 SCL/1 V0	A.41
2661280000	AEB 35 SCL/1 V0	A.46
2661280000	AEB 35 SCL/1 V0	A.47
2661280000	AEB 35 SCL/1 V0	A.48
2661280000	AEB 35 SCL/1 V0	A.49
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2661280000	AEB 35 SCL/1 V0	A.54
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2661280000	AEB 35 SCL/1 V0	A.60
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2663420000	AAC 50-185 2X10	B.21
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2663430000	AAC 50-185 2X10 BL	A.39
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2663440000	AAC 50-185 2X10 GN-YL	B.20
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2663450000	AAC 50-185 2X10 BK-YL	B.16
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2663450000	AAC 50-185 2X10 BK-YL	B.18
2663450000	AAC 50-185 2X10 BK-YL	B.19
2663450000	AAC 50-185 2X10 BK-YL	B.20
2663450000	AAC 50-185 2X10 BK-YL	B.21
2663450000	AAC 50-185 2X10 BK-YL	B.22
2663450000	AAC 50-185 2X10 BK-YL	B.225
2663450000	AAC 50-185 2X10 BK-YL	B.226
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2668700000	AITB 6 BB 2C	B.244
2668710000	AITB 6 BB 2C BL	B.244
2668720000	AITB 6 BB 2C PE	B.246
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2668740000	AITB 16 BB 2C	B.245
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2668790000	AEP ITB 2.5 BB 2C BL	B.244
2668800000	AEP ITB 2.5 BB NDT BL	B.248
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2668810000	AEP ITB 6 BB 2C	B.246
2668820000	AEP ITB 6 BB 2C BL	B.244
2668830000	AEP ITB 6 BB NDT BL	B.248
2668840000	AEP ITB 16 BB 2C	B.245
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2668960000	AEP ITB 2.5 BB	B.251
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2669100000	AITB 4 BB NDT-L-PE	B.255
2669110000	AEP ITB 4 BB	B.254
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2674680000	A4C 1.5 PE DL	A.83
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2674700000	A2C 2.5 DL BL	A.83
2674710000	A2C 2.5 PE DL	A.83
2674720000	A3C 2.5 DL	A.83
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2674800000	A2C 4 PE DL	A.83
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2674940000	A2C 10 DL	A.83
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2674960000	A2C 10 PE DL	A.83
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2675090000	A2T 1.5 VL DL	A.83
2675100000	A2T 1.5 PE DL	A.83
2675110000	A2T 2.5 DL	A.83
2675120000	A2T 2.5 DL BL	A.83
2675130000	A2T 2.5 FT-PE DL	A.83
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2675780000	APGTB 1.5 2T 4C/2 DL BL	A.83
2675790000	APGTB 1.5 2T FT-PE 4C/2 DL	A.83
2675800000	APGTB 1.5 2T PE 4C/2 DL	A.83
2675810000	APGTB 1.5 2T VL 4C/2 DL	A.83
2675820000	APGTB 2.5 FT 2C/1 DL	A.83
2675830000	APGTB 2.5 FT 2C/1 DL BL	A.83
2675840000	APGTB 2.5 PE 2C/1 DL	A.83
2675850000	APGTB 2.5 FT 3C/1 DL	A.83
2675860000	APGTB 2.5 FT 3C/1 DL BL	A.83
2675870000	APGTB 2.5 PE 3C/1 DL	A.83
2675880000	APGTB 2.5 FT 4C/2 DL	A.83
2675890000	APGTB 2.5 FT 4C/2 DL BL	A.83
2675900000	APGTB 2.5 PE 4C/2 DL	A.83
2675910000	APGTB 2.5 2T 4C/2 DL	A.83
2675920000	APGTB 2.5 2T 4C/2 DL BL	A.83
2675930000	APGTB 2.5 2T FT-PE 4C/2 DL	A.83
2675940000	APGTB 2.5 2T PE 4C/2 DL	A.83
2675950000	APGTB 2.5 2T VL 4C/2 DL	A.83
2675960000	APGTB 4 FT 2C/1 DL	A.83
2675970000	APGTB 4 FT 2C/1 DL BL	A.83
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2675990000	APGTB 4 FT 3C/1 DL	A.83
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2676010000	APGTB 4 PE 3C/1 DL	A.83
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2676070000	APGTB 4 2T FT-PE 4C/2 DL	A.83
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2690470000	A4C 2.5 FE	B.220
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2694090000	A2C 95/120 PE	B.19
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2694170000	A2C 95/120 FE-DM	B.226
2694180000	A2C 95/120 3FT-N-FE-DM	B.21
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2694250000	ZQV 95/120N/2	B.19
2694250000	ZQV 95/120N/2	B.22
2694250000	ZQV 95/120N/2	B.225
2694250000	ZQV 95/120N/2	B.226
2694260000	ZQV 95/120N/3	A.21
2694260000	ZQV 95/120N/3	A.22
2694260000	ZQV 95/120N/3	B.18
2694260000	ZQV 95/120N/3	B.19
2694260000	ZQV 95/120N/3	B.22
2694260000	ZQV 95/120N/3	B.225
2694260000	ZQV 95/120N/3	B.226

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2704330000	A2T 2.5 EM1 D/O	A.72
2704340000	A2T 2.5 EM3 D/O	A.73
2704360000	A2T 2.5 EM2 D/O	A.72
2704370000	A2T 2.5 EM1 D/1	A.73
2704380000	A2T 2.5 EM1 D/2	A.73
2704390000	A2T 2.5 EM2 D/5	A.74
2704400000	A2T 2.5 EM2 D/6	A.74
2704410000	A2T 2.5 EM1 24VUC LED RD/1	A.75
2705010000	RAILLASER	A.79

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2710070000	ATTB 6	B.130
2710070000	ATTB 6	B.131
2710080000	ATTB 6 PE	B.130
2710080000	ATTB 6 PE	B.131
2710080000	ATTB 6 PE	B.137
2710090000	WTTB 6	B.132
2710090000	WTTB 6	B.133
2710090000	WTTB 6	B.134
2710100000	WTTB 6 PE	B.132
2710100000	WTTB 6 PE	B.133
2710100000	WTTB 6 PE	B.134
2710100000	WTTB 6 PE	B.137
2710110000	HTTB 6	B.135
2710120000	HTTB 6 PE	B.135
2710120000	HTTB 6 PE	B.137
2710130000	CH TTB	B.131
2710130000	CH TTB	B.133
2710130000	CH TTB	B.135
2710140000	CP TTB	B.131
2710140000	CP TTB	B.133
2710140000	CP TTB	B.135
2710150000	CS TTB	B.131
2710150000	CS TTB	B.133
2710150000	CS TTB	B.135
2710170000	EP TTB 6	B.130
2710170000	EP TTB 6	B.131
2710170000	EP TTB 6	B.132
2710170000	EP TTB 6	B.133
2710170000	EP TTB 6	B.134
2710170000	EP TTB 6	B.135
2710190000	SCCB TTB 6/2	B.130
2710190000	SCCB TTB 6/2	B.131
2710190000	SCCB TTB 6/2	B.132
2710190000	SCCB TTB 6/2	B.133
2710190000	SCCB TTB 6/2	B.134
2710190000	SCCB TTB 6/2	B.135
2710190000	SCCB TTB 6/2	B.136
2710200000	SCCB TTB 6/3	B.130
2710200000	SCCB TTB 6/3	B.131
2710200000	SCCB TTB 6/3	B.132
2710200000	SCCB TTB 6/3	B.133
2710200000	SCCB TTB 6/3	B.134
2710200000	SCCB TTB 6/3	B.135
2710200000	SCCB TTB 6/3	B.136
2710210000	SCCB TTB 6/4	B.130
2710210000	SCCB TTB 6/4	B.131
2710210000	SCCB TTB 6/4	B.132
2710210000	SCCB TTB 6/4	B.133
2710210000	SCCB TTB 6/4	B.134
2710210000	SCCB TTB 6/4	B.135
2710210000	SCCB TTB 6/4	B.136
2710220000	SL TTB 6	B.130
2710220000	SL TTB 6	B.131
2710220000	SL TTB 6	B.132
2710220000	SL TTB 6	B.133
2710220000	SL TTB 6	B.134
2710220000	SL TTB 6	B.135
2710220000	SL TTB 6	B.137
2710230000	LL TTB 6/1	B.130
2710230000	LL TTB 6/1	B.131
2710230000	LL TTB 6/1	B.132
2710230000	LL TTB 6/1	B.133
2710230000	LL TTB 6/1	B.134
2710230000	LL TTB 6/1	B.135
2710230000	LL TTB 6/1	B.136
2710300000	LL TTB 6/2	B.130
2710300000	LL TTB 6/2	B.131
2710300000	LL TTB 6/2	B.132
2710300000	LL TTB 6/2	B.133
2710300000	LL TTB 6/2	B.134
2710300000	LL TTB 6/2	B.135
2710300000	LL TTB 6/2	B.136
2710370000	LL TTB 6/2 CM	B.130
2710370000	LL TTB 6/2 CM	B.131
2710370000	LL TTB 6/2 CM	B.132
2710370000	LL TTB 6/2 CM	B.133
2710370000	LL TTB 6/2 CM	B.134
2710370000	LL TTB 6/2 CM	B.135
2710370000	LL TTB 6/2 CM	B.136
2710440000	LL TTB 6/3	B.130
2710440000	LL TTB 6/3	B.132
2710440000	LL TTB 6/3	B.134
2710440000	LL TTB 6/3	B.136
2710450000	LL TTB 6/4	B.130
2710450000	LL TTB 6/4	B.132
2710450000	LL TTB 6/4	B.134
2710450000	LL TTB 6/4	B.136
2710460000	LL TTB 6/6	B.130
2710460000	LL TTB 6/6	B.132
2710460000	LL TTB 6/6	B.134
2710460000	LL TTB 6/6	B.136
2710470000	TS TTB 6 OR	B.130
2710470000	TS TTB 6 OR	B.131
2710470000	TS TTB 6 OR	B.132
2710470000	TS TTB 6 OR	B.133
2710470000	TS TTB 6 OR	B.134
2710470000	TS TTB 6 OR	B.135
2710470000	TS TTB 6 OR	B.136
2710480000	TS TTB 6 BL	B.131
2710480000	TS TTB 6 BL	B.133
2710480000	TS TTB 6 BL	B.135
2710480000	TS TTB 6 BL	B.136
2710490000	TS TTB 6 GN	B.131
2710490000	TS TTB 6 GN	B.133
2710490000	TS TTB 6 GN	B.135
2710490000	TS TTB 6 GN	B.136
2710500000	TS TTB 6 YL	B.131
2710500000	TS TTB 6 YL	B.133
2710500000	TS TTB 6 YL	B.135
2710500000	TS TTB 6 YL	B.136
2710520000	TS TTB 6 BK	B.131
2710520000	TS TTB 6 BK	B.133
2710520000	TS TTB 6 BK	B.135
2710530000	TS TTB 6 VT	B.131
2710530000	TS TTB 6 VT	B.133
2710530000	TS TTB 6 VT	B.135
2710530000	TS TTB 6 VT	B.136
2712960000	AAP11 6/6X1.5 LO-LI WT	B.99
2712970000	AAP12 10/4X2.5 LO-LI WT	B.105
2716000000	TS 35X7.5 2M/CRN 316L	C.18
2718300000	AAP11 6 LO GN/OR	B.98

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2725260000	WPD 104 1X25+1X16/2X16+3X10 RD	B.64
2725270000	WPD 109 1X185/2X35+3X25+4X16 RD	B.78
2725280000	WPD 108 1X120/2X35+3X25+4X16 RD	B.76
2725290000	WPD 204 2X25/4X16+6X10 2XRD	B.64
2725300000	WPD 304 3X25/6X16+9X10 3XRD	B.65
2725310000	WPD 105 1X35+1X16/2X25+3X16 RD	B.68
2725320000	WPD 205 2X35/4X25+6X16 2XRD	B.68
2725330000	WPD 305 3X35/6X25+9X16 3XRD	B.69
2725340000	WPD 106 1X70/2X25+3X16 RD	B.72
2725350000	WPD 107 1X95/2X35+8X25 RD	B.74
2725360000	WPD 104 1X25+1X16/2X16+3X10 BK	B.64
2725370000	WPD 109 1X185/2X35+3X25+4X16 BK	B.78
2725380000	WPD 108 1X120/2X35+3X25+4X16 BK	B.76
2725390000	WPD 204 2X25/4X16+6X10 2XBK	B.64
2725400000	WPD 304 3X25/6X16+9X10 3XBK	B.65
2725410000	WPD 105 1X35+1X16/2X25+3X16 BK	B.68
2725420000	WPD 205 2X35/4X25+6X16 2XBK	B.68
2725430000	WPD 305 3X35/6X25+9X16 3XBK	B.69
2725440000	WPD 106 1X70/2X25+3X16 BK	B.72
2725450000	WPD 107 1X95/2X35+8X25 BK	B.74
2726100000	LL TTB 6/3 CM	B.130
2726100000	LL TTB 6/3 CM	B.132
2726100000	LL TTB 6/3 CM	B.134
2726100000	LL TTB 6/3 CM	B.136
2726110000	LL TTB 6/4 CM	B.130
2726110000	LL TTB 6/4 CM	B.132
2726110000	LL TTB 6/4 CM	B.134
2726110000	LL TTB 6/4 CM	B.136

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2730310000	WPD 111 1X95/4X35 RD	B.80
2730320000	WPD 111 1X95/4X35 BK	B.80
2730350000	WPD 113 1X185+1X150/8X35 RD	B.82
2730360000	WPD 113 1X185+1X150/8X35 BK	B.82
2731380000	TS 35X7.5/1.0 2M/CU/BK	C.18
2732600000	WDK 2.5V ZQV OR	A.243
2733950000	ZQV 6N/6	A.91
2733950000	ZQV 6N/6	B.130
2733950000	ZQV 6N/6	B.131
2733950000	ZQV 6N/6	B.132
2733950000	ZQV 6N/6	B.133
2733950000	ZQV 6N/6	B.134
2733950000	ZQV 6N/6	B.135
2733950000	ZQV 6N/6	B.137
2733960000	ZQV 6N/7	A.91
2733960000	ZQV 6N/7	B.130
2733960000	ZQV 6N/7	B.131
2733960000	ZQV 6N/7	B.132
2733960000	ZQV 6N/7	B.133
2733960000	ZQV 6N/7	B.134
2733960000	ZQV 6N/7	B.135
2733960000	ZQV 6N/7	B.137
2733970000	ZQV 6N/10	A.91
2733970000	ZQV 6N/10	B.130
2733970000	ZQV 6N/10	B.131
2733970000	ZQV 6N/10	B.132
2733970000	ZQV 6N/10	B.133
2733970000	ZQV 6N/10	B.134
2733970000	ZQV 6N/10	B.135
2733970000	ZQV 6N/10	B.137
2734150000	A2C 4 FE	B.219
2734150000	A2C 4 FE	B.221
2734160000	A2C 6 FE	B.219
2734160000	A2C 6 FE	B.221
2734170000	A2C 10 FE	B.219
2734170000	A2C 10 FE	B.221
2735950000	A2C 35 PE DL	A.83
2736830000	A2T 2.5 3C N-FT	A.26
2739600000	WDK 2.5V ZQV	A.243
2739610000	WDK 2.5V ZQV BL	A.243

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2742040000	AMC 2.5 DL	A.83
2742050000	AMC 2.5 800V DL	A.83
2742060000	A2C 35 DL	A.83
2742070000	A2C 35 FE DL	A.83
2742090000	A2C 50/70 DL	A.83
2742100000	A2C 50/70 FE DL	A.83
2742110000	A2C 50/70 PE DL	A.83
2742120000	A2C 95/120 DL	A.83
2742130000	A2C 95/120 FE DL	A.83
2742140000	A2C 95/120 PE DL	A.83
2743180000	ST 4000/S M8 F	A.364
2743190000	ST 4000/S M10 F	A.364
2743200000	ST 4000/L M12 F	A.365
2744110000	A2T 2.5 DT/DT	A.52
2744120000	A2T 2.5 DT/DT BL	A.52
2744130000	A2T 2.5 DT/FT	A.52
2744140000	A2T 2.5 DT/FT BL	A.52
2744150000	AEP DT 2.5 2T	A.52
2744160000	AEP DT 2.5 2T BL	A.52
2749140000	SDIL 0,6X3,5X100	A.6
2749140000	SDIL 0,6X3,5X100	A.7
2749140000	SDIL 0,6X3,5X100	A.8
2749140000	SDIL 0,6X3,5X100	A.9
2749140000	SDIL 0,6X3,5X100	A.13
2749140000	SDIL 0,6X3,5X100	A.14
2749140000	SDIL 0,6X3,5X100	A.15
2749140000	SDIL 0,6X3,5X100	A.24
2749140000	SDIL 0,6X3,5X100	A.25
2749140000	SDIL 0,6X3,5X100	A.26
2749140000	SDIL 0,6X3,5X100	A.27
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2749140000	SDIL 0,6X3,5X100	B.250
2749140000	SDIL 0,6X3,5X100	B.251
2749140000	SDIL 0,6X3,5X100	B.252
2749140000	SDIL 0,6X3,5X100	B.253
2749140000	SDIL 0,6X3,5X100	B.254
2749140000	SDIL 0,6X3,5X100	B.255
2749140000	SDIL 0,6X3,5X100	B.256
2749140000	SDIL 0,6X3,5X100	B.257

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2749140000	SDIL 0,6X3,5X100	B.258
2749140000	SDIL 0,6X3,5X100	B.259
2749160000	SDIL 1,0X5,5X125	A.16
2749160000	SDIL 1,0X5,5X125	A.17
2749160000	SDIL 1,0X5,5X125	A.18
2749160000	SDIL 1,0X5,5X125	A.19
2749160000	SDIL 1,0X5,5X125	A.35
2749160000	SDIL 1,0X5,5X125	A.36
2749160000	SDIL 1,0X5,5X125	A.37
2749160000	SDIL 1,0X5,5X125	B.98
2749160000	SDIL 1,0X5,5X125	B.99
2749160000	SDIL 1,0X5,5X125	B.100
2749160000	SDIL 1,0X5,5X125	B.101
2749160000	SDIL 1,0X5,5X125	B.104
2749160000	SDIL 1,0X5,5X125	B.105
2749160000	SDIL 1,0X5,5X125	B.106
2749160000	SDIL 1,0X5,5X125	B.114
2749160000	SDIL 1,0X5,5X125	B.221
2749160000	SDIL 1,0X5,5X125	B.244
2749160000	SDIL 1,0X5,5X125	B.245
2749160000	SDIL 1,0X5,5X125	B.246
2749160000	SDIL 1,0X5,5X125	B.247
2749160000	SDIL 1,0X5,5X125	B.248
2749160000	SDIL 1,0X5,5X125	B.249
2749260000	SDS 0.4X2.0X60	A.12
2749260000	SDS 0.4X2.0X60	A.13
2749260000	SDS 0.4X2.0X60	A.22
2749260000	SDS 0.4X2.0X60	A.23
2749260000	SDS 0.4X2.0X60	A.32
2749260000	SDS 0.4X2.0X60	A.33
2749260000	SDS 0.4X2.0X60	A.54
2749260000	SDS 0.4X2.0X60	A.55
2749260000	SDS 0.4X2.0X60	A.56
2749260000	SDS 0.4X2.0X60	A.57
2749260000	SDS 0.4X2.0X60	A.106
2749260000	SDS 0.4X2.0X60	A.107
2749260000	SDS 0.4X2.0X60	A.122
2749260000	SDS 0.4X2.0X60	A.123
2749260000	SDS 0.4X2.0X60	A.139
2749260000	SDS 0.4X2.0X60	A.140
2749260000	SDS 0.4X2.0X60	A.152
2749260000	SDS 0.4X2.0X60	B.172
2749260000	SDS 0.4X2.0X60	B.173
2749260000	SDS 0.4X2.0X60	B.261
2749330000	SDS 0.5X3.0X80	A.153
2749330000	SDS 0.5X3.0X80	B.264
2749330000	SDS 0.5X3.0X80	B.266
2749330000	SDS 0.5X3.0X80	B.267
2749340000	SDS 0.6X3.5X100	A.131
2749340000	SDS 0.6X3.5X100	A.162
2749340000	SDS 0.6X3.5X100	A.184
2749340000	SDS 0.6X3.5X100	A.205
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2749340000	SDS 0.6X3.5X100	A.264
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2749340000	SDS 0.6X3.5X100	B.176
2749340000	SDS 0.6X3.5X100	B.177
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2749340000	SDS 0.6X3.5X100	B.186
2749340000	SDS 0.6X3.5X100	B.187
2749340000	SDS 0.6X3.5X100	B.188
2749340000	SDS 0.6X3.5X100	B.189
2749340000	SDS 0.6X3.5X100	B.190
2749340000	SDS 0.6X3.5X100	B.191
2749340000	SDS 0.6X3.5X100	B.212
2749340000	SDS 0.6X3.5X100	B.213
2749340000	SDS 0.6X3.5X100	B.214
2749340000	SDS 0.6X3.5X100	B.223
2749340000	SDS 0.6X3.5X100	B.282
2749340000	SDS 0.6X3.5X100	B.286
2749340000	SDS 0.6X3.5X100	B.287

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2749340000	SDS 0.6X3.5X100	B.288
2749360000	SDS 0.8X4.0X100	A.167
2749360000	SDS 0.8X4.0X100	A.256
2749360000	SDS 0.8X4.0X100	A.269
2749360000	SDS 0.8X4.0X100	A.270
2749360000	SDS 0.8X4.0X100	A.273
2749360000	SDS 0.8X4.0X100	A.274
2749380000	SDS 1.0X5.5X150	A.20
2749380000	SDS 1.0X5.5X150	A.21
2749380000	SDS 1.0X5.5X150	A.22
2749380000	SDS 1.0X5.5X150	A.38
2749380000	SDS 1.0X5.5X150	A.39
2749380000	SDS 1.0X5.5X150	A.111
2749380000	SDS 1.0X5.5X150	A.112
2749380000	SDS 1.0X5.5X150	A.113
2749380000	SDS 1.0X5.5X150	A.114
2749380000	SDS 1.0X5.5X150	A.119
2749380000	SDS 1.0X5.5X150	A.143
2749380000	SDS 1.0X5.5X150	A.144
2749380000	SDS 1.0X5.5X150	A.145
2749380000	SDS 1.0X5.5X150	A.149
2749380000	SDS 1.0X5.5X150	A.247
2749380000	SDS 1.0X5.5X150	A.248
2749380000	SDS 1.0X5.5X150	A.249
2749380000	SDS 1.0X5.5X150	A.250
2749380000	SDS 1.0X5.5X150	A.251
2749380000	SDS 1.0X5.5X150	A.257
2749380000	SDS 1.0X5.5X150	A.258
2749380000	SDS 1.0X5.5X150	A.263
2749380000	SDS 1.0X5.5X150	B.8
2749380000	SDS 1.0X5.5X150	B.9
2749380000	SDS 1.0X5.5X150	B.10
2749380000	SDS 1.0X5.5X150	B.11
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2749380000	SDS 1.0X5.5X150	B.16
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2749380000	SDS 1.0X5.5X150	B.18
2749380000	SDS 1.0X5.5X150	B.19
2749380000	SDS 1.0X5.5X150	B.20
2749380000	SDS 1.0X5.5X150	B.21
2749380000	SDS 1.0X5.5X150	B.22
2749380000	SDS 1.0X5.5X150	B.92
2749380000	SDS 1.0X5.5X150	B.169
2749380000	SDS 1.0X5.5X150	B.224
2749380000	SDS 1.0X5.5X150	B.225
2749380000	SDS 1.0X5.5X150	B.226
2749380000	SDS 1.0X5.5X150	B.262
2749380000	SDS 1.0X5.5X150	B.263
2749380000	SDS 1.0X5.5X150	B.265
2749380000	SDS 1.0X5.5X150	B.278
2749380000	SDS 1.0X5.5X150	B.279
2749380000	SDS 1.0X5.5X150	B.281
2749380000	SDS 1.0X5.5X150	B.283
2749380000	SDS 1.0X5.5X150	B.284
2749380000	SDS 1.0X5.5X150	B.285
2749390000	SDS 1.2X6.5X150	A.258
2749390000	SDS 1.2X6.5X150	A.259
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2749390000	SDS 1.2X6.5X150	B.31
2749390000	SDS 1.2X6.5X150	B.165
2749390000	SDS 1.2X6.5X150	B.235
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2749450000	SDK PZ2 X 100	B.52
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2749450000	SDK PZ2 X 100	B.82
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2749610000	SDIS SLIM 0.6X3.5X100	A.150
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2749610000	SDIS SLIM 0.6X3.5X100	A.153
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2749610000	SDIS SLIM 0.6X3.5X100	A.158
2749610000	SDIS SLIM 0.6X3.5X100	A.159
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2749610000	SDIS SLIM 0.6X3.5X100	A.169
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2749610000	SDIS SLIM 0.6X3.5X100	B.222
2749610000	SDIS SLIM 0.6X3.5X100	B.278
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2749620000	SDIS SLIM 0.8X4.0X100	A.107
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2749620000	SDIS SLIM 0.8X4.0X100	A.170
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2749810000	SDIS 0.6X3.5X100	A.251
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2794070000	ZQV 2.5N/2 INSTA	B.256
2794070000	ZQV 2.5N/2 INSTA	B.257
2794070000	ZQV 2.5N/2 INSTA	B.258
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2794090000	ZQV 2.5N/3 INSTA	B.244
2794090000	ZQV 2.5N/3 INSTA	B.250
2794090000	ZQV 2.5N/3 INSTA	B.251
2794090000	ZQV 2.5N/3 INSTA	B.252
2794090000	ZQV 2.5N/3 INSTA	B.253
2794090000	ZQV 2.5N/3 INSTA	B.256
2794090000	ZQV 2.5N/3 INSTA	B.257
2794090000	ZQV 2.5N/3 INSTA	B.258
2794090000	ZQV 2.5N/3 INSTA	B.259
2794110000	ZQV 2.5N/4 INSTA	B.244
2794110000	ZQV 2.5N/4 INSTA	B.250
2794110000	ZQV 2.5N/4 INSTA	B.251
2794110000	ZQV 2.5N/4 INSTA	B.252
2794110000	ZQV 2.5N/4 INSTA	B.253
2794110000	ZQV 2.5N/4 INSTA	B.256
2794110000	ZQV 2.5N/4 INSTA	B.257
2794110000	ZQV 2.5N/4 INSTA	B.258
2794110000	ZQV 2.5N/4 INSTA	B.259
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2794180000	ZQV 2.5N/10 INSTA	B.250
2794180000	ZQV 2.5N/10 INSTA	B.251
2794180000	ZQV 2.5N/10 INSTA	B.252
2794180000	ZQV 2.5N/10 INSTA	B.253
2794180000	ZQV 2.5N/10 INSTA	B.256
2794180000	ZQV 2.5N/10 INSTA	B.257
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2794210000	ZQV 2.5N/2 INSTA BL	B.248
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7904300000	ZDU 4/4AN BL	A.111
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7906080000	BK 4/E	A.322
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7906260000	MK 6/6/E	A.323
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7907370000	ZAP/TW6/3AN	A.143
7907380000	ZAP/TW6/3AN BL	A.111
7907400000	ZPE 6/3AN	A.143
7907410000	ZDU 6/3AN	A.111
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7921560000	SIHA 3/G20	A.338
7921560000	SIHA 3/G20	B.186
7921560000	SIHA 3/G20	B.187
7921560000	SIHA 3/G20	B.188
7921560000	SIHA 3/G20	B.189
7921560000	SIHA 3/G20	B.190
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7921560000	SIHA 3/G20	B.256
7921560000	SIHA 3/G20	B.257
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7921570000	SIHA 3/G20/LD 10-36V	B.191
7921570000	SIHA 3/G20/LD 10-36V	B.256
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7921570000	SIHA 3/G20/LD 10-36V	B.258
7921570000	SIHA 3/G20/LD 10-36V	B.259
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7921580000	SIHA 3/G20/LD 35-70V	A.338
7921590000	SIHA 3/G20/LD 60-150V	A.52
7921590000	SIHA 3/G20/LD 60-150V	A.216
7921590000	SIHA 3/G20/LD 60-150V	A.296
7921590000	SIHA 3/G20/LD 60-150V	A.338
7921600000	SIHA 3/G20/LD 140-250V	A.52
7921600000	SIHA 3/G20/LD 140-250V	A.172
7921600000	SIHA 3/G20/LD 140-250V	A.173
7921600000	SIHA 3/G20/LD 140-250V	A.187
7921600000	SIHA 3/G20/LD 140-250V	A.216
7921600000	SIHA 3/G20/LD 140-250V	A.286
7921600000	SIHA 3/G20/LD 140-250V	A.287
7921600000	SIHA 3/G20/LD 140-250V	A.288
7921600000	SIHA 3/G20/LD 140-250V	A.289
7921600000	SIHA 3/G20/LD 140-250V	A.296
7921600000	SIHA 3/G20/LD 140-250V	A.298
7921600000	SIHA 3/G20/LD 140-250V	A.299
7921600000	SIHA 3/G20/LD 140-250V	A.338
7921600000	SIHA 3/G20/LD 140-250V	B.186
7921600000	SIHA 3/G20/LD 140-250V	B.187
7921600000	SIHA 3/G20/LD 140-250V	B.188
7921600000	SIHA 3/G20/LD 140-250V	B.189
7921600000	SIHA 3/G20/LD 140-250V	B.190
7921600000	SIHA 3/G20/LD 140-250V	B.191
7921600000	SIHA 3/G20/LD 140-250V	B.256
7921600000	SIHA 3/G20/LD 140-250V	B.257
7921600000	SIHA 3/G20/LD 140-250V	B.258
7921600000	SIHA 3/G20/LD 140-250V	B.259
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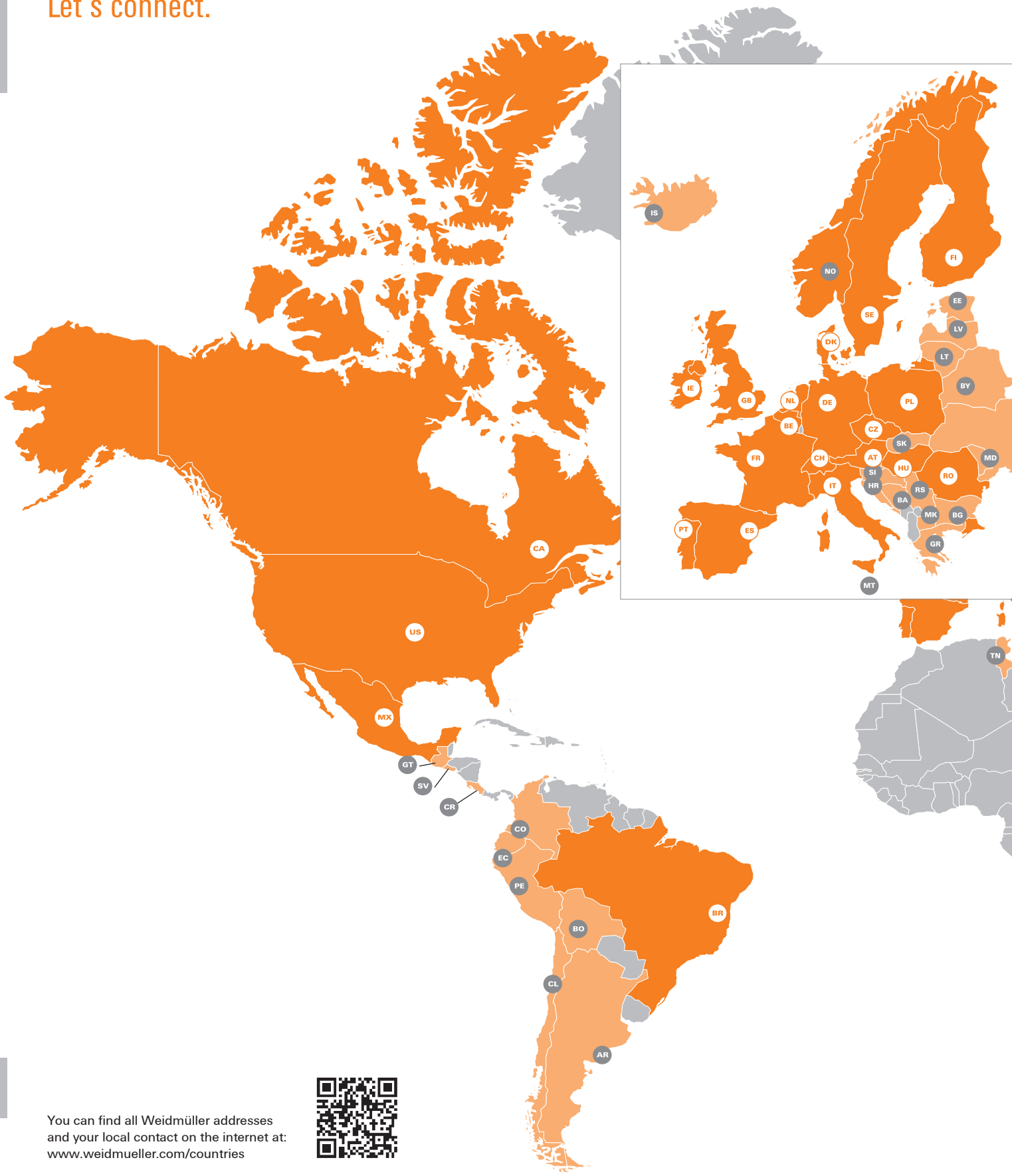
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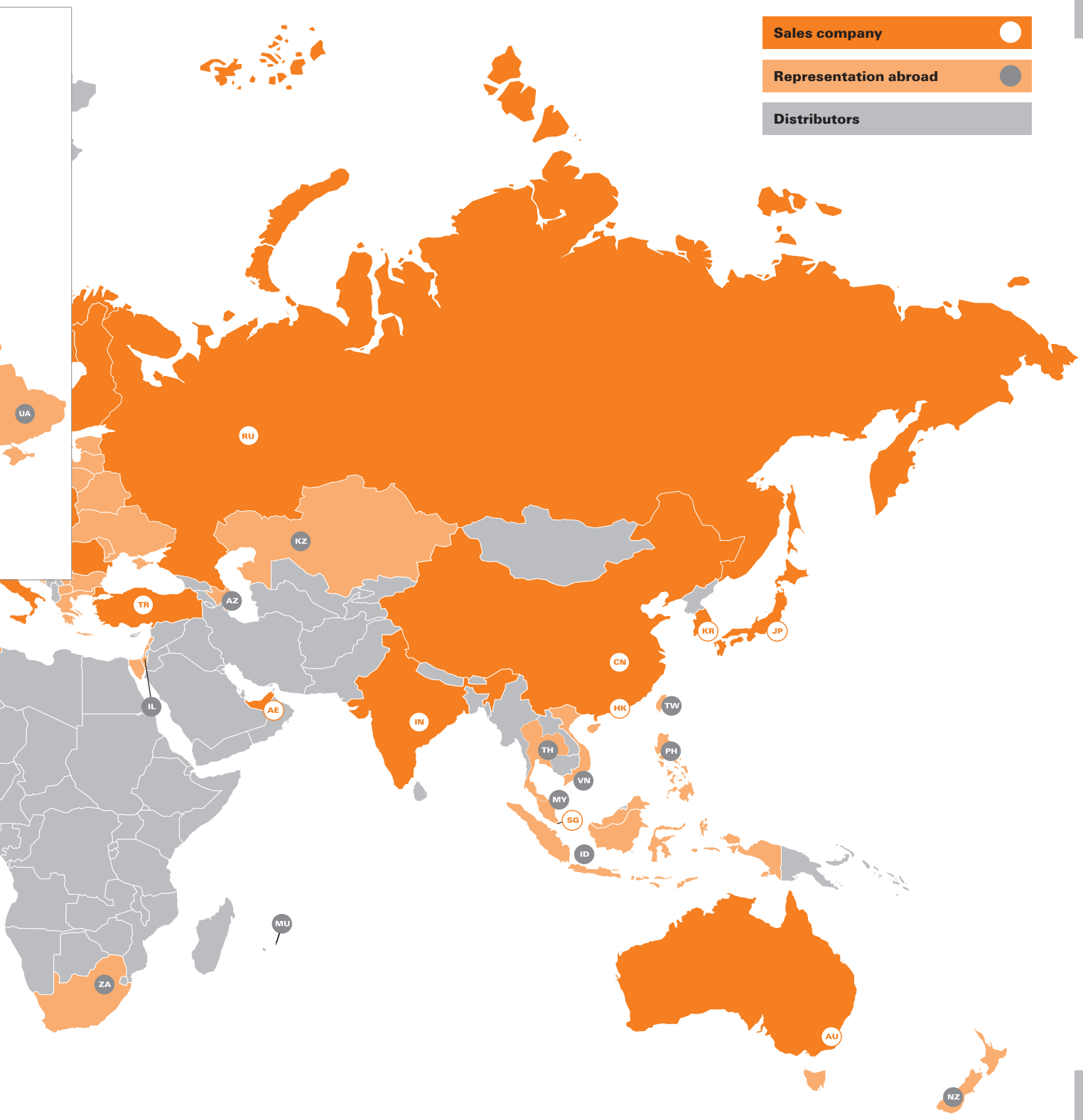
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