

## Bolt connection terminal block - RSC 4 - 3058127

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Feed-through terminal block with bolt connection method, cross section: 0.1 - 6 mm<sup>2</sup>, AWG: 26 - 10, width 9 mm, color: gray

### Why buy this product

- Large-surface, consistent external and center labeling
- Mounting on standard DIN rails or directly in control boxes
- Compact screw connection of ring and fork-type cable lugs
- Screw nuts and current bars are latched in the insulating housing and cannot be removed
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Bridge shaft for potential distribution using standard screw bridges



### Key commercial data

Packing unit	50 pc
GTIN	 4 046356 500289
Weight per Piece (excluding packing)	13.04 g
Custom tariff number	85369010
Country of origin	India

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	32 A (with 4 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III

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## Technical data

### General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	32 A
Nominal voltage $U_N$	800 V
Open side panel	ja
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Tight fit on carrier	NS 35/NS 32
Setpoint	1 N
Result of tight fit test	Test passed
Requirements, voltage drop	$\leq 3.2$ mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	4 mm <sup>2</sup>
Short-time current	0.48 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	$f_1 = 5$ Hz to $f_2 = 150$ Hz
ASD level	0.02 g <sup>2</sup> /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C

### Dimensions

Width	9 mm
Length	53.3 mm

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### Technical data

#### Dimensions

Height NS 35/7,5	47.1 mm
Height NS 35/15	54.6 mm
Height NS 32	52 mm

#### Connection data

Note	Connection bolts
Connection in acc. with standard	IEC 60947-7-1
Connection method	Bolt connection
Conductor cross section solid min.	0.1 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max.	10
Conductor cross section stranded min.	0.1 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	10
Min. cross section for cable lug connection	0.1 mm <sup>2</sup>
Max. cross section for cable lug connection	6 mm <sup>2</sup>
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.4 Nm

### Classifications

#### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

#### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

#### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410

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## Classifications

### UNSPSC

UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Approvals

### Approvals


#### Approvals


UL Recognized / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / cUL Recognized / GOST / cULus Recognized


#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized 		
	B	C
Nominal current IN	30 A	30 A
Nominal voltage UN	600 V	600 V

VDE Gutachten mit Fertigungsüberwachung 	
mm <sup>2</sup> /AWG/kcmil	0.2-4
Nominal current IN	32 A
Nominal voltage UN	800 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	0.2-4
Nominal current IN	32 A
Nominal voltage UN	800 V

# Bolt connection terminal block - RSC 4 - 3058127

## Approvals

cUL Recognized		
	B	C
Nominal current IN	30 A	30 A
Nominal voltage UN	600 V	600 V

GOST		
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cULus Recognized		
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## Accessories

### Accessories

#### Bridge

Fixed bridge - FB 10-9 - 3059113



Fixed bridge, Number of positions: 10, Color: silver

Fixed bridge - FB 10-9 ISO - 3059650



Fixed bridge, Number of positions: 10, Color: silver

### Cover profile

Cover profile - AP RSC - 3058017



Cover profile, for covering terminal strips, directly snapped onto RBO... and RSC... terminal blocks. Length supplied: 1 m

## Bolt connection terminal block - RSC 4 - 3058127

### Accessories

#### End block

##### End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

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##### End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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##### End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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##### End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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##### End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

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#### End cover

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### Accessories

End cover - D-RSC 5 - 3058020



End cover, Length: 53.3 mm, Width: 2.2 mm, Color: gray

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### Labeled terminal marker

Zack marker strip - ZB 9 CUS - 0829128



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 9 mm, Lettering field: 9 x 10.5 mm

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Zack Marker strip, flat - ZBF 9 CUS - 0829130



Zack Marker strip, flat, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 9 mm, Lettering field: 9 x 5.2 mm

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### Mounting rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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## Bolt connection terminal block - RSC 4 - 3058127

### Accessories

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail 35 mm (NS 35)

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DIN rail - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail 35 mm (NS 35)

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DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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## Bolt connection terminal block - RSC 4 - 3058127

### Accessories

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

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DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

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## Bolt connection terminal block - RSC 4 - 3058127

### Accessories

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

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DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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## Bolt connection terminal block - RSC 4 - 3058127

### Accessories

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### Partition plate

Separating plate - TS-KK 3 - 2770215



Separating plate, Length: 14 mm, Width: 1.5 mm, Height: 16 mm, Color: gray

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### Screwdriver tools

Screwdriver - SZK PH2 VDE - 1205163



Screwdriver, PH crosshead, VDE insulated, size: PH 2 x 100 mm, 2-component grip, with non-slip grip

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Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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### Terminal marking

## Bolt connection terminal block - RSC 4 - 3058127

### Accessories

Zack marker strip - ZB 9:UNBEDRUCKT - 0829127



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 9 mm, Lettering field: 9 x 10.5 mm

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Zack Marker strip, flat - ZBF 9:UNBEDRUCKT - 0829129



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 9 mm, Lettering field: 9 x 5.2 mm

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### Drawings

Circuit diagram

