# Installation terminal block - UTN 4 - 3245024

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Installation terminal block, Screw connection, Cross section: 0.14 mm² - 6 mm², AWG: 26 - 10, Width: 6.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

## Product description

For neutral conductor disconnection

## Why buy this product

- Same shape as UT standard terminal blocks

## Key commercial data

| | |
|---|---|
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 046356 299046 |
| Weight per Piece (excluding packing) | 10.89 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

## Technical data

### General

| | |
|---|---|
| Note | Assembly instructions:<br>For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. |
| Number of levels | 1 |
| Number of connections | 1 |
| Color | blue |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Maximum load current | 32 A |
| Rated surge voltage | 6 kV |
| Pollution degree | 3 |

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## Technical data

### General

| | |
|---|---|
| Surge voltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 32 A |
| Nominal current $I_N$ | 32 A |
| Nominal voltage $U_N$ | 250 V |
| Maximum load current | 32 A |
| Open side panel | ja |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Finger protection | guaranteed |
| Surge voltage test setpoint | 4.8 kV |
| Result of surge voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.5 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Bending test conductor cross section/weight | 0.14 mm² / 0.2 kg |
| | 4 mm² / 0.9 kg |
| | 6 $mm^2$ / 1.4 kg |
| Result of bending test | Test passed |
| Conductor cross section tensile test | 0.14 mm² |
| Tractive force setpoint | 10 N |
| Conductor cross section tensile test | 4 mm² |
| Tractive force setpoint | 60 N |
| Conductor cross section tensile test | 6 mm² |
| Tractive force setpoint | 80 N |
| Tensile test result | Test passed |
| Tight fit on carrier | NS 35 |
| Setpoint | 1 N |
| Result of tight fit test | Test passed |
| Result of voltage drop test | Test passed |
| Temperature-rise test | Test passed |
| Conductor cross section short circuit testing | 4 mm² |
| Short-time current | 0.48 kA |
| Short circuit stability result | Test passed |
| Ageing test for screwless modular terminal block temperature cycles | 192 |
| Result of aging test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Result of thermal test | Test passed |

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## Technical data

### General

| | |
|---|---|
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 120 °C |

### Dimensions

| | |
|---|---|
| Width | 6.2 mm |
| End cover width | 2.2 mm |
| Length | 55 mm |
| Height NS 35/7,5 | 47.5 mm |
| Height NS 35/15 | 55 mm |

### Connection data

| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 6 mm² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 10 |
| Conductor cross section stranded min. | 0.14 mm² |
| Conductor cross section stranded max. | 6 mm² |
| Min. AWG conductor cross section, stranded | 26 |
| Max. AWG conductor cross section, stranded | 10 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 4 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 4 mm² |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 1.5 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 1.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.14 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1.5 mm² |
| Stripping length | 9 mm |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

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## 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 |

### ETIM

| | |
|---|---|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000902 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

## Approvals

### Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

### Approval details

| |
|---|
| EAC |

## Accessories

### Accessories

End block

# Installation terminal block - UTN 4 - 3245024

## Accessories

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

Spacer plate - DP PS-6 - 3036738

Spacer plate, Color: red

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### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, Color: white

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Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, Color: red

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Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, Color: blue

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Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, Color: yellow

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## Accessories

### Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, Color: green

### Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, Color: gray

### Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, Color: black

## Jumper

### Plug-in bridge - FBS 2-6 - 3030336

Plug-in bridge, Length: 23 mm, Width: 10.7 mm, Number of positions: 2, Color: red

### Plug-in bridge - FBS 3-6 - 3030242

Plug-in bridge, Length: 23 mm, Width: 16.9 mm, Number of positions: 3, Color: red

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## Accessories

Plug-in bridge - FBS 4-6 - 3030255

Plug-in bridge, Length: 23 mm, Width: 23.1 mm, Number of positions: 4, Color: red

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Plug-in bridge - FBS 5-6 - 3030349

Plug-in bridge, Length: 23 mm, Width: 29.3 mm, Number of positions: 5, Color: red

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Plug-in bridge - FBS 10-6 - 3030271

Plug-in bridge, Length: 23 mm, Width: 60.3 mm, Number of positions: 10, Color: red

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Plug-in bridge - FBS 20-6 - 3030365

Plug-in bridge, Length: 23 mm, Width: 122.3 mm, Number of positions: 20, Color: red

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Plug-in bridge - FBSR 2-6 - 3033715

Plug-in bridge, Number of positions: 2, Color: red

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## Accessories

Plug-in bridge - FBSR 3-6 - 3001594

Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBSR 4-6 - 3001595

Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBSR 5-6 - 3001596

Plug-in bridge, Number of positions: 5, Color: red

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Plug-in bridge - FBSR 10-6 - 3033716

Plug-in bridge, Number of positions: 10, Color: red

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## Labeled terminal marker

Zack marker strip - ZB 6 CUS - 0824992

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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## Accessories

### Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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### Zack marker strip - ZB 6,QR:FORTL.ZAHLEN - 1051029

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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### Zack marker strip - ZB 6,LGS:GLEICHE ZAHLEN - 1051032

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Identical numbers 1 or 2, etc. up to 100, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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### Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414

Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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### Marker for terminal blocks - ZB 6,LGS:U-N - 1051430

Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: U, V, W, N, GND, U, V, W, N, GND, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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# Installation terminal block - UTN 4 - 3245024

## Accessories

### Marker for terminal blocks - UC-TM 6 CUS - 0824589

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

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### Marker for terminal blocks - UCT-TM 6 CUS - 0829602

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 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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### DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119

DIN rail 35 mm (NS 35)

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# Installation terminal block - UTN 4 - 3245024

## Accessories

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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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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## Accessories

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

DIN rail 35 mm (NS 35)

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## Accessories

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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End cap - NS 35/15 CAP - 1206573

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

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# Installation terminal block - UTN 4 - 3245024

## Accessories

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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### Neutral conductor rail

Neutral busbar - NLS-CU 3/10 SN 1000MM - 0402174

PEN conductor busbar, 3mm x 10 mm, length: 1000 mm

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### Partition plate

Partition plate - ATP-UT - 3047167

Partition plate, Length: 50 mm, Width: 2.2 mm, Height: 48 mm, Color: gray

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### Pick-off terminal block

Power terminal block - EK 135 - 0401023

Power terminal block, Connection method Screw connection, Load current : 125 A, Cross section:  0.75 mm² - 35 mm², Width: 12 mm, Color: aluminum

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Power terminal block - EK 116 - 0401010

Power terminal block, Connection method Screw connection, Load current : 76 A, Cross section:  0.5 mm² - 16 mm², Width: 8 mm, Color: aluminum

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### Screwdriver tools

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## Accessories

Screwdriver - SF-SL 0,6X3,5-100 S-VDE - 1212587

Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

## Support

Support bracket - UAB - 3032428

Support bracket, Width: 2 mm, Color: blue

Support bracket - AB/NS - 1201141

Support bracket, for insulated mounting of DIN rails in insulated systems, plastic, 21 mm high

Support bracket - AB-UTN 2,5/10 - 3245082

Support bracket, Bracket for busbars, set every 20 cm, Length: 58.4 mm, Width: 2.2 mm, Height: 46.9 mm, Color: blue

## Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003

Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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## Accessories

### Marker for terminal blocks - UC-TM 6 - 0818085

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

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### Marker for terminal blocks - UCT-TM 6 - 0828736

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

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## Test plug terminal block

### Test plugs - MPS-MT - 0201744

Test plugs, Color: silver

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### Test adapter - PAI-4-FIX-5/6 BU - 3035975

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Blue

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### Test adapter - PAI-4-FIX-5/6 OG - 3035974

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Orange

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# Installation terminal block - UTN 4 - 3245024

## Accessories

Test adapter - PAI-4-FIX-5/6 YE - 3035977

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Yellow

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Test adapter - PAI-4-FIX-5/6 RD - 3035976

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Red

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Test adapter - PAI-4-FIX-5/6 GN - 3035978

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Green

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Test adapter - PAI-4-FIX-5/6 BK - 3035980

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Black

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Test adapter - PAI-4-FIX-5/6 GY - 3035982

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Gray

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# Installation terminal block - UTN 4 - 3245024

## Accessories

### Test adapter - PAI-4-FIX-5/6 VT - 3035979

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Violet

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### Test adapter - PAI-4-FIX-5/6 BN - 3035981

Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft; color: Brown

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### Test plugs - PS-6 - 3030996

Test plugs, Color: red

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### Test plugs - PS-6/2,3MM RD - 3038736

Test plugs, Color: red

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## Additional products

### Connection terminal block - AKG 16 BU - 0423014

Connection terminal block, Connection method Screw connection, Load current : 76 A, Cross section: 1.5 mm² - 16 mm², Width: 9.8 mm, Color: blue

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## Accessories

Connection terminal block - AKG 35 BU - 0424013

Connection terminal block, Connection method Screw connection, Load current : 125 A, Cross section:  2.5 mm² - 35 mm², Width: 14.3 mm, Color: blue

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Branch terminal - IAK 16 - 2715982

Branch terminal, Connection method Screw connection, Cross section:  0.5 mm² - 16 mm², Width: 7.7 mm, Color: gray

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## Drawings

Circuit diagram



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