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# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

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The figure shows the standard item without diode

Multi-level terminal block, with diode1N4007, Connection method: Spring-cage connection, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

## Why buy this product

☑ Can be labeled on every level

**RoHS**

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 STK |
| Minimum order quantity | 50 STK |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

## Technical data

### General

| | |
|---|---|
| Number of levels | 3 |
| Number of connections | 6 |
| Potentials | 3 |
| Nominal cross section | 2.5 mm² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |

# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Technical data

### General

| Maximum load current | 28 A (with 4 mm² conductor cross section) |
|---|---|
| Nominal current $I_N$ | 20 A |
| Nominal voltage $U_N$ | 500 V |
| Open side panel | Yes |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

### Dimensions

| Width | 5.2 mm |
|---|---|
| End cover width | 2.2 mm |
| Length | 99.5 mm |
| Height NS 35/7,5 | 58 mm |
| Height NS 35/15 | 65.5 mm |

### Connection data

| Connection method | Spring-cage connection |
|---|---|
| Conductor cross section solid min. | 0.08 mm² |
| Conductor cross section solid max. | 4 mm² |
| Conductor cross section AWG min. | 28 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible min. | 0.08 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| Min. AWG conductor cross section, flexible | 28 |
| Max. AWG conductor cross section, flexible | 14 |

# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043
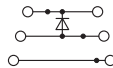
## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm² |
| Stripping length | 8 mm ... 10 mm |
| Internal cylindrical gage | A3 |

### Standards and Regulations

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |

## Drawings

Circuit diagram

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141128 |
| eCl@ss 4.1 | 27141128 |
| eCl@ss 5.0 | 27141128 |
| eCl@ss 5.1 | 27141128 |
| eCl@ss 6.0 | 27141128 |
| eCl@ss 7.0 | 27141128 |
| eCl@ss 8.0 | 27141127 |
| eCl@ss 9.0 | 27141127 |

### ETIM

| | |
|---|---|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000903 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |

# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Classifications

### UNSPSC

| UNSPSC 11 | 39121410 |
|---|---|
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

## Accessories

Accessories

DIN 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

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

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

DIN rail 35 mm (NS 35)

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

DIN rail 35 mm (NS 35)

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# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

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

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

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

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

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

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

## Documentation

# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

Mounting material - ST-IL - 3039900

Operating decal for the ST terminal block

## End cover

End cover - D-ST 2,5-3L - 3036660

End cover, Length: 99.5 mm, Width: 2.2 mm, Height: 50.3 mm, Color: gray

## Insulating sleeve

Insulating sleeve - ISH 2,5/0,2 - 3002843

Insulating sleeve, Color: white

Insulating sleeve - ISH 2,5/0,5 - 3002856

Insulating sleeve, Color: gray

Insulating sleeve - ISH 2,5/1,0 - 3002869

Insulating sleeve, Color: black

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# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

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Jumper

Plug-in bridge - FBS 2-5 - 3030161

Plug-in bridge, Pitch: 5.2 mm, Length: 22.7 mm, Width: 9 mm, Number of positions: 2, Color: red

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Plug-in bridge - FBS 3-5 - 3030174

Plug-in bridge, Pitch: 5.2 mm, Length: 22.7 mm, Width: 14.2 mm, Number of positions: 3, Color: red

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Plug-in bridge - FBS 4-5 - 3030187

Plug-in bridge, Pitch: 5.2 mm, Length: 22.7 mm, Width: 19.4 mm, Number of positions: 4, Color: red

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Plug-in bridge - FBS 5-5 - 3030190

Plug-in bridge, Pitch: 5.2 mm, Length: 22.7 mm, Width: 24.6 mm, Number of positions: 5, Color: red

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Plug-in bridge - FBS 10-5 - 3030213

Plug-in bridge, Pitch: 5.2 mm, Length: 22.7 mm, Width: 50.6 mm, Number of positions: 10, Color: red

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# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

Plug-in bridge - FBS 20-5 - 3030226

Plug-in bridge, Pitch: 5.2 mm, Number of positions: 20, Color: red

Plug-in bridge - FBS 50-5 - 3038930

Plug-in bridge, Pitch: 5.2 mm, Number of positions: 50, Color: red

Plug-in bridge - FBSR 2-5 - 3033702

Plug-in bridge, Pitch: 5.2 mm, Number of positions: 2, Color: red

Plug-in bridge - FBSR 3-5 - 3001591

Plug-in bridge, Pitch: 5.2 mm, Number of positions: 3, Color: red

Plug-in bridge - FBSR 4-5 - 3001592

Plug-in bridge, Pitch: 5.2 mm, Number of positions: 4, Color: red

# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

Plug-in bridge - FBSR 5-5 - 3001593

Plug-in bridge, Pitch: 5.2 mm, Number of positions: 5, Color: red

Plug-in bridge - FBSR 10-5 - 3033710

Plug-in bridge, Pitch: 5.2 mm, Number of positions: 10, Color: red

## Labeled terminal marker

Warning cover - WST 2,5 - 3030941

Warning cover, 5-pos., for terminal width: 5.2 mm

Zack Marker strip, flat - ZBF 5 CUS - 0825025

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: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671

Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

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# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697

Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821

Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863

Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Marker for terminal blocks - UC-TMF 5 CUS - 0824638

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 5 CUS - 0829658

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

## Marker carriers

# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

Marker carriers - STP 5-3 - 0810562

Triple marker carriers, snaps onto the three-level spring-cage terminal block ST 2,5-3L, labeled with ZB 5 or ZBF

## Partition plate

Spacer plate - DP PS-5 - 3036725

Spacer plate, Length: 22.4 mm, Width: 5.2 mm, Height: 29 mm, Number of positions: 1, Color: red

## Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - ST-BW - 1207608

Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

## Terminal marking

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# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

Marker for terminal blocks - UC-TMF 5 - 0818153

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 5 - 0828744

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, THERMOMARK PRIME, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

## Test plug terminal block

Test plugs - PS-5 - 3030983

Test plugs, Color: red

Test plugs - PS-5/2,3MM RD - 3038723

Test plugs, Color: red

# Multi-level terminal block - ST 2,5-3L-DIO/M-O - 3036043

## Accessories

Test socket

Test adapter - PAI-4-N GY - 3032871

4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch