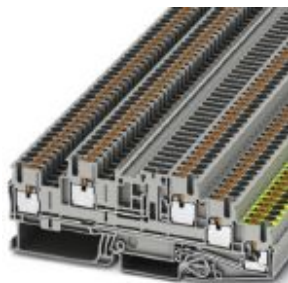


## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

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Installation ground terminal block, Push-in connection, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

### Your advantages

- ✓ Double function shafts on all levels



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                                   |
| GTIN         | <br>4 046356 693769 |
| GTIN         | 4046356693769                                                                                           |

### Technical data

#### General

|                                                 |                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------|
| Number of levels                                | 3                                                                      |
| Number of connections                           | 5                                                                      |
| Nominal cross section                           | 2.5 mm <sup>2</sup>                                                    |
| Color                                           | gray                                                                   |
| Insulating material                             | PA                                                                     |
| Flammability rating according to UL 94          | V0                                                                     |
| Rated surge voltage                             | 4 kV                                                                   |
| Degree of pollution                             | 3                                                                      |
| Overvoltage category                            | III                                                                    |
| Insulating material group                       | I                                                                      |
| Maximum power dissipation for nominal condition | 0.77 W (the value is multiplied when connecting multiple levels)       |
| Ambient temperature (operation)                 | -60 °C ... 85 °C                                                       |
| Ambient temperature (storage/transport)         | -25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C) |
| Permissible humidity (storage/transport)        | 30 % ... 70 %                                                          |
| Ambient temperature (assembly)                  | -5 °C ... 70 °C                                                        |

# Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

## Technical data

### General

|                                                                                 |                                                                                        |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Nominal current $I_N$                                                           | 22 A (with a 2.5 mm <sup>2</sup> conductor cross section)                              |
| Maximum load current                                                            | 24 A (with 4 mm <sup>2</sup> conductor cross section)                                  |
|                                                                                 | 28 A (with 4 mm <sup>2</sup> conductor cross section and 3-pos. terminal block)        |
| Nominal voltage $U_N$                                                           | 400 V (phase conductor/phase conductor)                                                |
|                                                                                 | 250 V (phase conductor/PE)                                                             |
| Nominal current $I_N$ (upper level)                                             | 16 A (with a 2.5 mm <sup>2</sup> conductor cross section)                              |
| Maximum load current (upper level)                                              | 16 A (with 4 mm <sup>2</sup> conductor cross section)                                  |
|                                                                                 | 16 A (with 1.5 mm <sup>2</sup> conductor cross section and 3-pos. terminal block base) |
| Nominal voltage $U_N$                                                           | 250 V                                                                                  |
| Open side panel                                                                 | Yes                                                                                    |
| Shock protection test specification                                             | DIN EN 50274 (VDE 0660-514):2002-11                                                    |
| Back of the hand protection                                                     | guaranteed                                                                             |
| Finger protection                                                               | guaranteed                                                                             |
| Result of surge voltage test                                                    | Test passed                                                                            |
| Surge voltage test setpoint                                                     | 7.3 kV                                                                                 |
| Result of power-frequency withstand voltage test                                | Test passed                                                                            |
| Power frequency withstand voltage setpoint                                      | 1.89 kV                                                                                |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                                                                            |
| Result of bending test                                                          | Test passed                                                                            |
| Bending test rotation speed                                                     | 10 rpm                                                                                 |
| Bending test turns                                                              | 135                                                                                    |
| Bending test conductor cross section/weight                                     | 0.14 mm <sup>2</sup> / 0.2 kg                                                          |
|                                                                                 | 2.5 mm <sup>2</sup> / 0.7 kg                                                           |
|                                                                                 | 4 mm <sup>2</sup> / 0.9 kg                                                             |
| Tensile test result                                                             | Test passed                                                                            |
| Conductor cross section tensile test                                            | 0.14 mm <sup>2</sup>                                                                   |
| Tractive force setpoint                                                         | 10 N                                                                                   |
| Conductor cross section tensile test                                            | 2.5 mm <sup>2</sup>                                                                    |
| Tractive force setpoint                                                         | 50 N                                                                                   |
| Conductor cross section tensile test                                            | 4 mm <sup>2</sup>                                                                      |
| Tractive force setpoint                                                         | 60 N                                                                                   |
| Result of tight fit on support                                                  | Test passed                                                                            |
| Tight fit on carrier                                                            | NS 35                                                                                  |
| Setpoint                                                                        | 1 N                                                                                    |
| Result of voltage-drop test                                                     | Test passed                                                                            |
| Requirements, voltage drop                                                      | ≤ 3.2 mV                                                                               |
| Result of temperature-rise test                                                 | Test passed                                                                            |
| Short circuit stability result                                                  | Test passed                                                                            |
| Conductor cross section short circuit testing                                   | 2.5 mm <sup>2</sup>                                                                    |

# Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

## Technical data

### General

|                                                                         |                                                  |
|-------------------------------------------------------------------------|--------------------------------------------------|
| Short-time current                                                      | 0.3 kA                                           |
| Conductor cross section short circuit testing                           | 2.5 mm <sup>2</sup>                              |
| Short-time current                                                      | 0.18 kA                                          |
| Result of aging test                                                    | Test passed                                      |
| Ageing test for screwless modular terminal block temperature cycles     | 192                                              |
| Result of thermal test                                                  | Test passed                                      |
| Proof of thermal characteristics (needle flame) effective duration      | 30 s                                             |
| Oscillation, broadband noise test result                                | Test passed                                      |
| Test specification, oscillation, broadband noise                        | DIN EN 50155 (VDE 0115-200):2008-03              |
| Test spectrum                                                           | Service life test category 2, bogie-mounted      |
| Test frequency                                                          | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz |
| ASD level                                                               | 6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz        |
| Acceleration                                                            | 3.12 g                                           |
| Test duration per axis                                                  | 5 h                                              |
| Test directions                                                         | X-, Y- and Z-axis                                |
| Shock test result                                                       | Test passed                                      |
| Test specification, shock test                                          | DIN EN 50155 (VDE 0115-200):2008-03              |
| Shock form                                                              | Half-sine                                        |
| Acceleration                                                            | 30g                                              |
| Shock duration                                                          | 18 ms                                            |
| Number of shocks per direction                                          | 3                                                |
| Test directions                                                         | X-, Y- and Z-axis (pos. and neg.)                |
| 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                                           |
| 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  |
| Length           | 118 mm  |
| Height NS 35/7,5 | 42.3 mm |
| Height NS 35/15  | 49.8 mm |

### Connection data

# Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

## Technical data

### Connection data

|                                                                                                        |                                                                |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Note                                                                                                   | Please observe the current carrying capacity of the DIN rails. |
| Connection method                                                                                      | Push-in connection                                             |
| Conductor cross section solid min.                                                                     | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section solid max.                                                                     | 4 mm <sup>2</sup>                                              |
| Conductor cross section flexible min.                                                                  | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section flexible max.                                                                  | 4 mm <sup>2</sup>                                              |
| Conductor cross section AWG min.                                                                       | 26                                                             |
| Conductor cross section AWG max.                                                                       | 12                                                             |
| Conductor cross section flexible, with ferrule without plastic sleeve min.                             | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section flexible, with ferrule without plastic sleeve max.                             | 2.5 mm <sup>2</sup>                                            |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                                | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                                | 2.5 mm <sup>2</sup>                                            |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 0.5 mm <sup>2</sup>                                            |
| Stripping length                                                                                       | 8 mm ... 10 mm                                                 |
| Internal cylindrical gage                                                                              | A3                                                             |
| Connection method                                                                                      | Push-in connection                                             |
| Conductor cross section solid min.                                                                     | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section solid max.                                                                     | 4 mm <sup>2</sup>                                              |
| Conductor cross section flexible min.                                                                  | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section flexible max.                                                                  | 4 mm <sup>2</sup>                                              |
| Conductor cross section AWG min.                                                                       | 26                                                             |
| Conductor cross section AWG max.                                                                       | 12                                                             |
| Conductor cross section flexible, with ferrule without plastic sleeve min.                             | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section flexible, with ferrule without plastic sleeve max.                             | 2.5 mm <sup>2</sup>                                            |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                                | 0.14 mm <sup>2</sup>                                           |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                                | 2.5 mm <sup>2</sup>                                            |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 0.5 mm <sup>2</sup>                                            |
| Stripping length                                                                                       | 8 mm ... 10 mm                                                 |

### Standards and Regulations

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

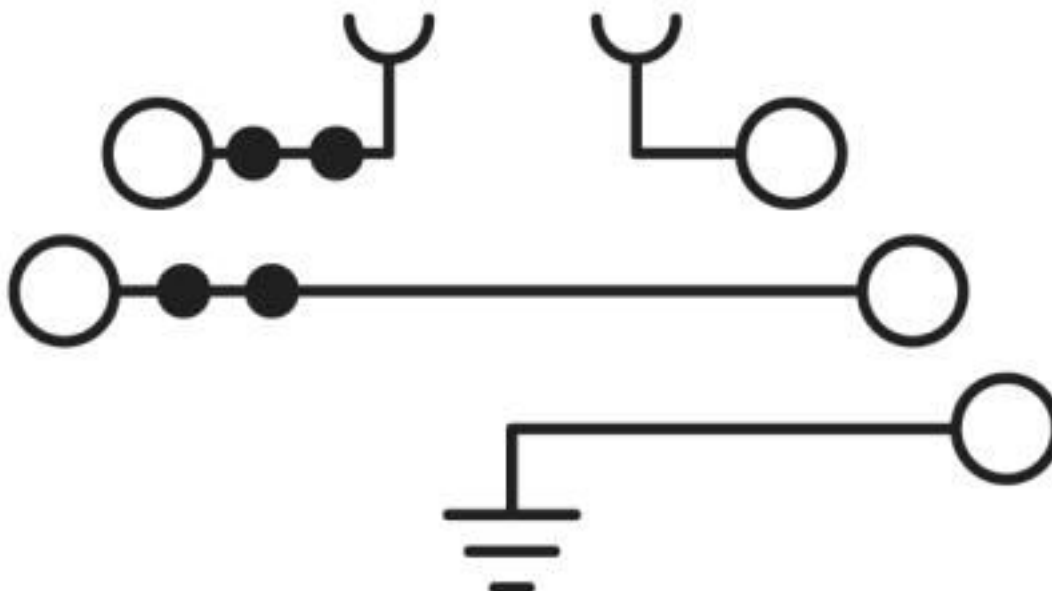
### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

Circuit diagram



### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141125 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |
| eCl@ss 5.0    | 27141100 |
| eCl@ss 5.1    | 27141100 |
| eCl@ss 6.0    | 27141100 |
| eCl@ss 7.0    | 27141125 |
| eCl@ss 8.0    | 27141125 |
| eCl@ss 9.0    | 27141125 |

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC001329 |
| ETIM 6.0 | EC001329 |
| ETIM 7.0 | EC001329 |

UNSPSC

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

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Classifications

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 18.0 | 39121410 |
| UNSPSC 19.0 | 39121410 |
| UNSPSC 20.0 | 39121410 |
| UNSPSC 21.0 | 39121410 |

### Approvals

#### Approvals

Approvals

EAC / EAC

Ex Approvals

#### Approval details

|     |            |                          |
|-----|------------|--------------------------|
| EAC | <b>EAC</b> | RU C-<br>DE.AI30.B.01102 |
|-----|------------|--------------------------|

|     |            |                          |
|-----|------------|--------------------------|
| EAC | <b>EAC</b> | RU C-<br>DE.BL08.B.00644 |
|-----|------------|--------------------------|

### Accessories

#### Accessories

#### Bridge

Wire bridge - FBSW 2-5/250MM - 3030172

Wire bridge, length: 250 mm, width: 5.1 mm, number of positions: 1, color: red/black



## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Wire bridge - FBSW 2-5/60MM - 3030170



Wire bridge, length: 60 mm, width: 5.1 mm, number of positions: 1, color: red/black

Wire bridge - FBSW 2-5/110MM - 3030171



Wire bridge, length: 110 mm, width: 5.1 mm, number of positions: 1, color: red/black

Feed-through connector - P-FIX - 3038956



Feed-through connector, length: 10.5 mm, width: 4 mm, color: gray

Component plug terminal block

Component connector - P-CO 2-5 R47K - 3032447



Component connector, with 47 kOhm resistance for wire-break monitoring, pitch: 5.2 mm, length: 8.9 mm, width: 4.1 mm, height: 34.8 mm, number of positions: 2, color: black

Component connector - P-CO - 3036796



Component connector, for installing components that can be individually selected, nominal current: 6 A, pitch: 5.2 mm, length: 24.2 mm, width: 5.1 mm, height: 33.2 mm, number of positions: 1, color: gray

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Component connector - P-CO 1N4007/R-L - 3032457



Component connector, with diode 1N4007, length: 24.2 mm, width: 5.2 mm, height: 33.3 mm, number of positions: 1, color: gray

Component connector - P-CO 1N4007/L-R - 3032460



Component connector, with diode 1N4007, length: 24.2 mm, width: 5.2 mm, height: 33.3 mm, number of positions: 1, color: gray

Component connector - P-CO XL - 3036797



Component connector, for installing components that can be individually selected up to a diameter of 10 mm and power dissipation of up to 1 W, nominal current: 10 A, length: 41.2 mm, width: 12.3 mm, height: 37.5 mm, number of positions: 1, color: gray

Component connector - P-CO XL SKN - 3036798



Component connector, specifically for holding the SKN 2,5 diode, nominal current: 10 A, length: 41.2 mm, width: 12.3 mm, height: 37.5 mm, number of positions: 1, color: gray

### Cover profile

Cover profile - AP-NLS N - 1013634



Cover profile, length: 300 mm, color: transparent

### DIN rail



## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

---

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



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

---

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



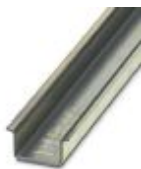
DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

---

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

End cap - NS 35/15 CAP - 1206573



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

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



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

### Documentation

Mounting material - PT-IL - 3208090



Operating decal for the push-in Technology

### End block

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### 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

---

#### 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

---

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



End clamp, width: 9.5 mm, color: gray

---

#### End cover

##### End cover - D-PTB 2,5/3 - 3210552



End cover, length: 118.7 mm, width: 2.2 mm, height: 40.6 mm, color: gray

---

#### Filler plug

##### Filler plugs - CEC 2,5 - 3062757



Cover for conductor shaft, 10-pos., for spring cage terminal blocks (ST) and terminal blocks with push-in technology (PT) with a width of 5.2 mm

---

#### Insulating sleeve

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



---

Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



---

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



---

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



---

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



---

Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



---

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

---

### Jumper

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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

---

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

---

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

---

Plug-in bridge - FBS 5-5 - 3030190



Plug-in bridge, pitch: 5.2 mm, length: 23 mm, width: 24.6 mm, number of positions: 5, color: red

---

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

---



## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### 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

---

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### 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

---

Plug-in bridge - FBS 2-5 BU - 3036877



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: blue

---

Plug-in bridge - FBS 3-5 BU - 3036880



Plug-in bridge, pitch: 5.2 mm, number of positions: 3, color: blue

---

Plug-in bridge - FBS 4-5 BU - 3036893



Plug-in bridge, pitch: 5.2 mm, number of positions: 4, color: blue

---

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Plug-in bridge - FBS 5-5 BU - 3036903



Plug-in bridge, pitch: 5.2 mm, number of positions: 5, color: blue

---

Plug-in bridge - FBS 10-5 BU - 3036916



Plug-in bridge, pitch: 5.2 mm, number of positions: 10, color: blue

---

Plug-in bridge - FBS 20-5 BU - 3036929



Plug-in bridge, pitch: 5.2 mm, number of positions: 20, color: blue

---

Plug-in bridge - FBS 50-5 BU - 3032114



Plug-in bridge, pitch: 5.2 mm, number of positions: 50, color: blue

---

### Knife

Isolating plugs - P-DI - 3036783



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: orange

---

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Isolating plugs - P-DI GY - 3047390



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: gray

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Isolating plugs - P-DI GN - 1071062



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: green

---

Isolating plugs - P-DI - 3036783



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: orange

---

Isolating plugs - P-DI GY - 3047390



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: gray

---

Isolating plugs - P-DI GN - 1071062



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: green

---

Labeled terminal marker

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

#### Zack marker strip - ZB 5 CUS - 0824962



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

#### Zack marker strip - ZB 5,LGS:FORTL.ZAHLEN - 1050017



Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

#### Zack marker strip - ZB 5,QR:FORTL.ZAHLEN - 1050020



Zack marker strip, white, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm

#### Zack marker strip - ZB 5,LGS:GLEICHE ZAHLEN - 1050033



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

#### Zack marker strip - ZB 5,LGS:L1-N,PE - 1050415



Zack marker strip, Strip, white, labeled, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

#### Marker for terminal blocks - UC-TM 5 CUS - 0824581



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: 5.2 mm, lettering field size: 10.5 x 4.6 mm, Number of individual labels: 96

#### Marker for terminal blocks - UCT-TM 5 CUS - 0829595



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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

#### 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 size: 5.15 x 5.15 mm, Number of individual labels: 10

#### 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 size: 5.15 x 5.15 mm, Number of individual labels: 10

#### 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 size: 5.15 x 5.15 mm, Number of individual labels: 10

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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 size: 5.15 x 5.15 mm, Number of individual labels: 10

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 size: 5.15 x 5.15 mm, Number of individual labels: 10

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 size: 4.6 x 5.1 mm, Number of individual labels: 96

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 size: 4.4 x 4.7 mm, Number of individual labels: 72

### Marker carriers

Marker carriers - CARRIER-TM 300 - 0828282



Marker carriers, gray, unlabeled, mounting type: snap into flat marker groove, lettering field size: 10.5 x 300 mm

### Neutral conductor rail

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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



Neutral busbar, width: 10 mm, height: 3 mm, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, length: 1000 mm, color: silver

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### 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

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### Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for convenient configuration of Phoenix Contact products on standard DIN rails.

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Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multilingual software for terminal strip configuration. A marking module enables the professional marking of markers and labels for identifying terminal blocks, conductors and cables, and devices.

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### 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



## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Actuation tool - ST-BW - 1207608



Actuation tool, for all 2.5 mm<sup>2</sup> - 4.0 mm<sup>2</sup> spring-cages

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### Terminal marking

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm, Number of individual labels: 10

---

Marker for terminal blocks - UC-TM 5 - 0818108



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 10.5 x 4.6 mm, Number of individual labels: 96

---

Marker for terminal blocks - UCT-TM 5 - 0828734



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

---

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

#### Marker for terminal blocks - UC-TMF 5 - 0818153



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

#### Marker for terminal blocks - UCT-TMF 5 - 0828744



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

#### Test plug terminal block

##### Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

##### Test plugs - PS-5 - 3030983



Test plugs, Modular test plug, color: red

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



Test plugs, color: red

#### Test socket

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

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

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### Warning label printed

Warning label - WS PT 2,5 - 1029026



Warning label, yellow/black, labeled: Lightning flash, mounting type: plug in, for terminal block width: 5.2 mm

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Warning label - WS-DIO PT 2,5 - 1029037



Warning label, yellow/black, labeled: Diode, mounting type: plug in, for terminal block width: 5.2 mm

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### Additional products

Isolating plugs - P-DI - 3036783



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: orange

---

Isolating plugs - P-DI GY - 3047390



Isolating plugs, length: 10.8 mm, width: 3.5 mm, height: 23.1 mm, color: gray

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

#### Feed-through connector - P-FIX - 3038956



Feed-through connector, length: 10.5 mm, width: 4 mm, color: gray

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#### Component connector - P-CO - 3036796



Component connector, for installing components that can be individually selected, nominal current: 6 A, pitch: 5.2 mm, length: 24.2 mm, width: 5.1 mm, height: 33.2 mm, number of positions: 1, color: gray

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#### Component connector - P-CO 1N4007/R-L - 3032457



Component connector, with diode 1N4007, length: 24.2 mm, width: 5.2 mm, height: 33.3 mm, number of positions: 1, color: gray

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#### Component connector - P-CO 1N4007/L-R - 3032460



Component connector, with diode 1N4007, length: 24.2 mm, width: 5.2 mm, height: 33.3 mm, number of positions: 1, color: gray

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#### Component connector - P-CO XL - 3036797



Component connector, for installing components that can be individually selected up to a diameter of 10 mm and power dissipation of up to 1 W, nominal current: 10 A, length: 41.2 mm, width: 12.3 mm, height: 37.5 mm, number of positions: 1, color: gray

---

## Installation ground terminal block - PTB 2,5-PE/L/TG - 3210539

### Accessories

Component connector - P-CO XL SKN - 3036798



Component connector, specifically for holding the SKN 2,5 diode, nominal current: 10 A, length: 41.2 mm, width: 12.3 mm, height: 37.5 mm, number of positions: 1, color: gray

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Fuse plug - P-FU 5X20-5 - 3209235



Fuse plug, connection method: Plug connection, nominal current: 6.3 A, nom. voltage: 400 V, width: 6.2 mm, fuse type: G / 5 x 20, mounting type: Plug-in mounting, color: black

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Fuse plug - P-FU 5X20 LED 24-5 - 3209248



Fuse plug, connection method: Plug connection, nominal current: 6.3 A, nom. voltage: 250 V, width: 6.2 mm, fuse type: G / 5 x 20, mounting type: Plug-in mounting, color: black

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Fuse plug - P-FU 5X20 LED 60-5 - 3209251



Fuse plug, connection method: Plug connection, nominal current: 6.3 A, nom. voltage: 250 V, width: 6.2 mm, fuse type: G / 5 x 20, mounting type: Plug-in mounting, color: black

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Fuse plug - P-FU 5X20 LED 250-5 - 3209264



Fuse plug, connection method: Plug connection, nominal current: 6.3 A, nom. voltage: 250 V, width: 6.2 mm, fuse type: G / 5 x 20, mounting type: Plug-in mounting, color: black

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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