# Installation ground terminal block - PTI 2,5-PE/L/NT KAN - 3213938

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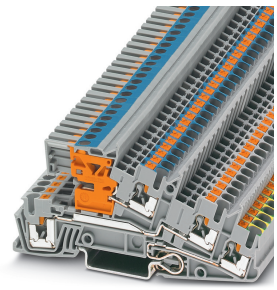

Installation ground terminal block, Push-in connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

## Your advantages

- Double function shafts on all levels

RoHS COMPLETE line

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 |
| GTIN | 4 046356 959544 |
| GTIN | 4046356959544 |
| Custom tariff number | 85369010 |

## Technical data

### General

| | |
|---|---|
| Note | Assembly instructions: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 | 3 |
| Number of connections | 5 |
| Potentials | 2 |
| Nominal cross section | 4 mm² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 4 kV |

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## Technical data

### General

| | |
|---|---|
| | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 1.02 W (the value is multiplied when connecting multiple levels) |
| Maximum load current | 30 A (with 4 mm² conductor cross section and 3-pos. terminal block) |
| Nominal current $I_N$ | 24 A (with 4 mm² conductor cross section) |
| Nominal voltage $U_N$ | 400 V (phase conductor/phase conductor) |
| | 250 V (phase conductor/PE) |
| | 250 V (phase conductor/N) |
| 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)) | 125 °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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 27,5 MJ/kg |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| 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 | 101 mm |
| Height | 48.6 mm |
| Height NS 35/7,5 | 50.5 mm |
| Height NS 35/15 | 58 mm |

### Connection data

| | |
|---|---|
| Note | Please observe the current carrying capacity of the DIN rails. |
| Connection | 1st, 2nd and 3rd level |
| Connection method | Push-in connection |
| Stripping length | 10 mm |
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 4 mm² |

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## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 4 mm² |
| Min. AWG conductor cross section, flexible | 26 |
| Max. AWG conductor cross section, flexible | 12 |
| 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 |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 0.5 mm² |
| Connection cross sections directly pluggable | 0.34 mm² 4 mm² |
| Conductor cross section solid min. | 0.34 mm² |
| Conductor cross section solid max. | 4 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.34 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.34 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm² |
| Internal cylindrical gage | A3 |
| Connection method | Push-in connection |
| Stripping length | 10 mm |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 0.5 mm² |

### Ambient conditions

| | |
|---|---|
| Operating temperature | -60 °C ... 105 °C (max. short-term operating temperature 130°C) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 % |
| Ambient temperature (assembly) | -5 °C ... 70 °C |

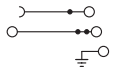
### Environmental Product Compliance

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

## Drawings

# Installation ground terminal block - PTI 2,5-PE/L/NT KAN - 3213938

Circuit diagram



## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27141125 |
| eCl@ss 11.0 | 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 9.0 | 27141125 |

### ETIM

| | |
|---|---|
| ETIM 4.0 | EC000897 |
| ETIM 6.0 | EC001329 |
| ETIM 7.0 | EC001329 |

### UNSPSC

| | |
|---|---|
| UNSPSC 13.2 | 39121410 |
| UNSPSC 18.0 | 39121410 |
| UNSPSC 19.0 | 39121410 |
| UNSPSC 20.0 | 39121410 |
| UNSPSC 21.0 | 39121410 |

## Approvals

### Approvals

Approvals

LR / EAC / EAC / EAC / UL Recognized / cUL Recognized / DNV GL / IECEE CB Scheme / IECEE CB Scheme / VDE Zeichengenehmigung / cULus Recognized

Ex Approvals

### Approval details

# Installation ground terminal block - PTI 2,5-PE/L/NT KAN - 3213938

## Approvals

| | | | |
|---|---|---|---|
| LR | Lloyd's Register | http://www.lr.org/en | LR2002908TA |

| | | |
|---|---|---|
| EAC | EAC | EAC-Zulassung |

| | | |
|---|---|---|
| EAC | EAC | RU C-DE.AI30.B.01102 |

| | | |
|---|---|---|
| EAC | EAC | RU C-DE.BL08.B.00644 |

| | | | |
|---|---|---|---|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

| | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 20 A | 10 A |
| mm²/AWG/kcmil | 26-12 | 26-12 |

| | | | |
|---|---|---|---|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

| | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 20 A | 10 A |
| mm²/AWG/kcmil | 26-12 | 26-12 |

| | | | |
|---|---|---|---|
| DNV GL | | https://approvalfinder.dnvgl.com/ | TAE00001BU |

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## Approvals

| | | |
|---|---|---|
| IECEE CB Scheme | http://www.iecee.org/ | DE1-62955 |

| | | |
|---|---|---|
| IECEE CB Scheme | http://www.iecee.org/ | DE1-57041 |

| | |
|---|---|
| Nominal current IN | 24 A |
| mm²/AWG/kcmil | 0.2-4 |

| | | |
|---|---|---|
| VDE Zeichengenehmigung | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40037480 |

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 24 A |
| mm²/AWG/kcmil | 0.2-4 |

cULus Recognized