

## Installation level terminal block - PTI 2,5-L/TG - 3213961

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)




Installation level 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

### Why buy this product

- The terminal blocks with knife disconnect zone in the upper level meet the safety requirement regarding individual circuit isolation of DIN VDE 0100-718



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 046356 609531 |
| Weight per Piece (excluding packing) | 16.09 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### General

|   |   |
|---|---|
| Number of levels                        | 3   |
| Number of connections                   | 4   |
| Color                                   | gray  |
| Insulating material                     | PA  |
| Inflammability class according to UL 94 | V0  |
| Maximum load current                    | 30 A (with 4 mm <sup>2</sup> conductor cross section and 3-pos. terminal block) |
|   | 16 A (disconnect level 16 A. The current is determined by the component used.)  |
| Rated surge voltage                     | 4 kV  |
|   | 6 kV  |
| Pollution degree                        | 3   |
| Surge voltage category                  | III   |
| Insulating material group               | I   |

# Installation level terminal block - PTI 2,5-L/TG - 3213961

## Technical data

### General

|                       |   |
|-----------------------|---|
| Nominal current $I_N$ | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal voltage $U_N$ | 400 V (phase conductor/phase conductor)               |
|                       | (phase conductor/PE)                                  |
|                       | (phase conductor/N)                                   |
| Nominal current $I_N$ | 16 A  |
| Open side panel       | ja  |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 5.2 mm  |
| Length           | 101 mm  |
| Height NS 35/7,5 | 50.5 mm |
| Height NS 35/15  | 58 mm   |

### Connection data

|   |                      |
|---|----------------------|
| 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 AWG/kcmil min.  | 26                   |
| Conductor cross section AWG/kcmil max.  | 12                   |
| Conductor cross section stranded min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.   | 4 mm <sup>2</sup>    |
| Min. AWG conductor cross section, stranded  | 26                   |
| Max. AWG conductor cross section, stranded  | 12                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>  |
| Stripping length  | 10 mm                |
| Internal cylindrical gage   | A3                   |
| Connection method   | Push-in connection   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>  |
| Stripping length  | 10 mm                |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |

# Installation level terminal block - PTI 2,5-L/TG - 3213961

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| 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 4.0 | EC000897 |
| ETIM 5.0 | EC001329 |

### UNSPSC

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

## Approvals

### Approvals


#### Approvals

UL Recognized / cUL Recognized / VDE Zeichengenehmigung / IECCE CB Scheme / GOST / GL / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |       |   |
|---|-------|-------|-------|---|
| UL Recognized  |       |       |       |   |
|   |       | B     | C     | D |
| mm <sup>2</sup> /AWG/kcmil  | 26-12 | 26-12 | 26-12 |   |
| Nominal current I <sub>N</sub>  | 20 A  | 20 A  | 10 A  |   |
| Nominal voltage U <sub>N</sub>  | 300 V | 150 V | 300 V |   |

# Installation level terminal block - PTI 2,5-L/TG - 3213961

## Approvals

cUL Recognized

|                            |       | B     | C     | D |
|----------------------------|-------|-------|-------|---|
| mm <sup>2</sup> /AWG/kcmil | 26-12 | 26-12 | 26-12 |   |
| Nominal current IN         | 20 A  | 20 A  | 10 A  |   |
| Nominal voltage UN         | 300 V | 150 V | 300 V |   |

VDE Zeichengenehmigung

|                            |       |
|----------------------------|-------|
| mm <sup>2</sup> /AWG/kcmil | 0.2-4 |
| Nominal voltage UN         | 400 V |

IECEE CB Scheme

|                            |       |
|----------------------------|-------|
| mm <sup>2</sup> /AWG/kcmil | 0.2-4 |
| Nominal voltage UN         | 400 V |

GOST

GL

cULus Recognized

## Accessories

Accessories

Bridge

Plug-in bridge - FBS 2-5 - 3030161



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

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

---

Plug-in bridge - FBS 3-5 - 3030174



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

---

Plug-in bridge - FBS 4-5 - 3030187



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

---

Plug-in bridge - FBS 5-5 - 3030190



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

---

Plug-in bridge - FBS 10-5 - 3030213



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

---

Plug-in bridge - FBS 20-5 - 3030226



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

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

Plug-in bridge - FBS 50-5 - 3038930



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

---

### Documentation

Mounting material - PT-IL - 3208090

Operating decal for the Push-in Technology



---

### 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

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

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

End cover - D-PTI/3B - 3213976



End cover, Length: 101 mm, Width: 2.2 mm, Color: gray

Spacer plate - DP PS-5 - 3036725



Spacer plate, Color: red

### Insulating sleeve

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

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

---

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

---

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



Insulating sleeve, Color: white

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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



Insulating sleeve, Color: gray

---

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



Insulating sleeve, Color: black

---

### Labeled terminal marker

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: 5.15 x 10.5 mm

---

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: 10.5 x 4.6 mm

---

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, Lettering field: 4.6 x 10.5 mm

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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

---

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

Marker carriers - CARRIER-TM 300 - 0828282



Marker carriers, gray, Unlabeled, Mounting type: Snap into flat marker groove, Lettering field: 10.5 x 300 mm

---

### 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

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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)

---

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

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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

---

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

---

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



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

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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



DIN rail 35 mm (NS 35)

---

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



DIN rail 35 mm (NS 35)

---

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

---

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



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

---

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



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

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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

---

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

---

### Partition plate

Partition plate - ATP-PTI/3 - 3213990



Partition plate, Length: 103 mm, Width: 2.2 mm, Height: 49.3 mm, Color: gray

---

### Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for easy planning of Phoenix Contact on DIN rails together with the integrated TRABTECH-select software module for planning comprehensive surge protection concepts.

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multi-lingual software for terminal strip project planning. A marking module allows professional labeling of markers and labels for marking terminal blocks, conductors, cables and devices. The additionally integrated software module TRABTECH-select for planning comprehensive surge protection concepts.

---

### 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

---

### Terminal marking

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 5.1 x 10.5 mm

---

Marker for terminal blocks - UC-TM 5 - 0818108



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: 5.2 mm, Lettering field: 10.5 x 4.6 mm

---

Marker for terminal blocks - UCT-TM 5 - 0828734



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: THERMOMARK CARD PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, For terminal block width: 5.2 mm, Lettering field: 4.6 x 10.5 mm

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### 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 PLUS, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, 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 - MPS-MT - 0201744



Test plugs, Color: silver

---

Test plugs - PAI-4-N GY - 3032871



Test plugs, Color: gray

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

Test plugs - PS-5 - 3030983



Test plugs, Color: red

---

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



Test plugs, Color: red

---

### Additional products

Isolating plugs - P-DI - 3036783



Isolating plugs, Length: 10.8 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange

---

Feed-through connector - P-FIX - 3038956



Feed-through connector, Length: 10.5 mm, Width: 4 mm, Color: gray

---

Component connector - P-CO - 3036796



Component connector, Nominal current: 6 A, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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



Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray

---

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



Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray

---

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



Fuse plug, Nominal current: 6.3 A, Length: 23.5 mm, Width: 5.2 mm, Height: 45.5 mm, Color: black

---

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



Fuse plug with LED for 12 - 30 V DC, 0.35 - 0.95 mA, width 5.2 mm, color black

---

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



Fuse plug with LED for 30 - 60 V AC/DC, 0.36 - 0.95 mA, width 5.2 mm, color black

---

## Installation level terminal block - PTI 2,5-L/TG - 3213961

### Accessories

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



Fuse plug with LED for 110 - 250 V AC/DC, 0.40 - 0.95 mA, width 5.2 mm, color black

---

### Drawings

#### Circuit diagram

