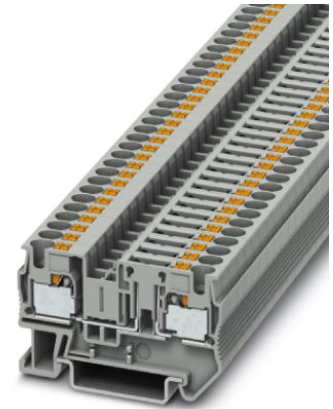


## PIT 4-TG

Order No.: 3211922



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3211922>

Disconnect terminal block, Connection type: Push-In connection,  
Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, Nominal current: 20  
A, Nominal voltage: 400 V, Length: 56 mm, Width: 6.2 mm,  
Color: gray, Assembly: NS 35/7.5, NS 35/15

### Commercial data

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | A641                                                                                |
| Pack                     | 50 pcs.                                                                             |
| Customs tariff           | 85369010                                                                            |
| Catalog page information | Page 111 (CL1-2011)                                                                 |

### Product notes

WEEE/RoHS-compliant since:  
01/07/2009



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### General

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Note                  | Current and voltage are determined by the connector used. |
| Number of levels      | 1                                                         |
| Number of connections | 2                                                         |

|                                    |      |
|------------------------------------|------|
| Color                              | gray |
| Insulating material                | PA   |
| Inflammability class acc. to UL 94 | V0   |

**Dimensions**

|                  |         |
|------------------|---------|
| Width            | 6.2 mm  |
| Length           | 56 mm   |
| Height NS 35/7.5 | 36.5 mm |
| Height NS 35/15  | 44 mm   |

**Technical data**

|                                  |               |
|----------------------------------|---------------|
| Maximum load current             | 20 A          |
| Rated surge voltage              | 6 kV          |
| Pollution degree                 | 3             |
| Surge voltage category           | III           |
| Insulating material group        | I             |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current $I_N$            | 20 A          |
| Nominal voltage $U_N$            | 400 V ()      |
| Open side panel                  | ja            |

**Connection data**

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                   | 4 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil max                                                   | 10                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |

|                                                                                         |                    |
|-----------------------------------------------------------------------------------------|--------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>  |
| Connection method                                                                       | Push-In connection |
| Stripping length                                                                        | 10 mm              |
| Internal cylindrical gage                                                               | A4                 |

### Certificates / Approvals



Certification

GL, GOST

### Accessories

| Item            | Designation                 | Description                                                                                                                                                                                                                  |
|-----------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                             |                                                                                                                                                                                                                              |
| 3030721         | ATP-ST 4                    | Partition plate, Length: 61 mm, Width: 2 mm, Height: 42 mm, Color: gray                                                                                                                                                      |
| 3022276         | CLIPFIX 35-5                | Snap-on end bracket, for NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 5 and ZBF 5, terminal strip marker KLM 2 and KLM, parking facility for FBS...5, FBS...6, KSS 5, KSS 6, width: 5,15 mm, color: gray |
| 3030420         | D-ST 4                      | End cover, Length: 56 mm, Width: 2.2 mm, Height: 36.5 mm, Color: gray                                                                                                                                                        |
| 3036738         | DP PS-6                     | Spacer plate, Color: red                                                                                                                                                                                                     |
| 0801704         | NS 35/ 7,5 AL UNPERF 2000MM | DIN rail, material: Aluminum, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                                                                                                                          |
| 0801762         | NS 35/ 7,5 CU UNPERF 2000MM | DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                                                                                                                            |
| 1207640         | NS 35/ 7,5 PERF 755MM       | NS 35 DIN rail, height 7.5 mm, length 755 mm                                                                                                                                                                                 |
| 1207653         | NS 35/ 7,5 PERF 955MM       | NS35 DIN rail, height 7.5 mm, length 955 mm                                                                                                                                                                                  |
| 1207666         | NS 35/ 7,5 PERF 1155MM      | NS 35 DIN rail, height 7.5 mm, length 1155 mm                                                                                                                                                                                |
| 0801733         | NS 35/ 7,5 PERF 2000MM      | DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m                                                                                                 |
| 1208131         | NS 35/ 7,5 PERF/...         | DIN rail, Width: 35 mm, Height: 7.5 mm, Color: silver                                                                                                                                                                        |
| 0801681         | NS 35/ 7,5 UNPERF 2000MM    | DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                                                                                                                             |
| 1208115         | NS 35/ 7,5 UNPERF/...       | DIN rail, Width: 35 mm, Height: 7.5 mm, Color: silver                                                                                                                                                                        |

|         |                              |                                                                                                |
|---------|------------------------------|------------------------------------------------------------------------------------------------|
| 1208128 | NS 35/ 7,5 UNPERF/SO/...     | DIN rail, Width: 35 mm, Height: 7.5 mm, Color: silver                                          |
| 0801377 | NS 35/ 7,5 V2A UNPERF 2000MM | DIN rail, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver                         |
| 1206421 | NS 35/ 7,5 ZN PERF 2000MM    | DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m            |
| 1206434 | NS 35/ 7,5 ZN UNPERF 2000MM  | DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m          |
| 1201895 | NS 35/15 CU UNPERF 2000MM    | DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m |
| 1201730 | NS 35/15 PERF 2000MM         | DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m                  |
| 1201714 | NS 35/15 UNPERF 2000MM       | DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m                |
| 1208144 | NS 35/15 UNPERF/...          | DIN rail, Width: 35 mm, Height: 15 mm, Color: silver                                           |
| 1208157 | NS 35/15 UNPERF/SO/...       | DIN rail, Width: 35 mm, Height: 15 mm, Color: silver                                           |
| 1206586 | NS 35/15 ZN UNPERF 2000MM    | DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m           |

**Bridges**

|         |          |                                                     |
|---------|----------|-----------------------------------------------------|
| 3030336 | FBS 2-6  | Plug-in bridge, Number of positions: 2, Color: red  |
| 3030242 | FBS 3-6  | Plug-in bridge, Number of positions: 3, Color: red  |
| 3030255 | FBS 4-6  | Plug-in bridge, Number of positions: 4, Color: red  |
| 3030349 | FBS 5-6  | Plug-in bridge, Number of positions: 5, Color: red  |
| 3030271 | FBS 10-6 | Plug-in bridge, Number of positions: 10, Color: red |
| 3030365 | FBS 20-6 | Plug-in bridge, Number of positions: 20, Color: red |
| 3032224 | FBS 50-6 | Plug-in bridge, Number of positions: 50, Color: red |

**General**

|         |                |                                                                                                                         |
|---------|----------------|-------------------------------------------------------------------------------------------------------------------------|
| 0828282 | CARRIER-TM 300 | <b>Marker adapter</b> , 300 mm long, can be snapped into the marker groove, designed to accommodate ZB ... or UC-TM ... |
|---------|----------------|-------------------------------------------------------------------------------------------------------------------------|

**Marking**

|         |             |                                                                                                                                                                                                                                     |
|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0810588 | GBS 5-25X12 | Group marker label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with a 25 x 12 mm label or manually with the B-STIFT, in the foot part with ZB 5                                |
| 0809298 | GBS-ZB/26X6 | Group marking label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with ESL 26x6 mm or EST 25x6 mm, in the foot part with Zack marker strip, length: 29 mm                        |
| 0816498 | TMT 6 R     | Markers for terminal blocks with 6 mm pitch, perforated, unprinted, for all terminal blocks with ZB and ZBF keyway, can be labelled using a thermo transfer printer, 1 roll = 1,000 strips, 16 labels/ strips, strip height: 6.4 mm |

|         |                  |                                                                                                                                                                                              |
|---------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0828295 | TMT (EX9,5)R     | Terminal marking with 9.5 mm strip height, continuous, without color print, for all terminals with ZB or ZBF groove, can be labeled using a thermal transfer printer, 1 roll = 50 m          |
| 0818140 | UC-TMF 6         | UniCard materials for labeling terminal blocks using a flat marker groove, 80-section, can be labeled with BLUEMARK and CMS-P1-PLOTTER, color: white                                         |
| 0824646 | UC-TMF 6 CUS     | UniCard sheets, for labeling terminal blocks with a flat zack marker sheet groove, can be printed as per customer requirements                                                               |
| 0828746 | UCT-TMF 6        | UniCard materials for thermal transfer printer, for labeling terminal blocks with a horizontal marker groove, 60-section, can be labeled with THERMOMARK CARD and BLUEMARK LED, color: white |
| 0829665 | UCT-TMF 6 CUS    | Terminal block marking, can be labeled as per customer specifications                                                                                                                        |
| 1051003 | ZB 6:UNBEDRUCKT  | Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white                                                |
| 0808710 | ZBF 6:UNBEDRUCKT | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white                                                       |

**Plug/Adapter**

|         |            |                                  |
|---------|------------|----------------------------------|
| 3002885 | ISH 4/0,5  | Insulating sleeve, Color: gray   |
| 3002898 | ISH 4/1,0  | Insulating sleeve, Color: black  |
| 0201731 | MPS-IH BK  | Insulating sleeve, Color: black  |
| 0201689 | MPS-IH BU  | Insulating sleeve, Color: blue   |
| 0201702 | MPS-IH GN  | Insulating sleeve, Color: green  |
| 0201728 | MPS-IH GY  | Insulating sleeve, Color: gray   |
| 0201676 | MPS-IH RD  | Insulating sleeve, Color: red    |
| 0201715 | MPS-IH VT  | Insulating sleeve, Color: violet |
| 0201663 | MPS-IH WH  | Insulating sleeve, Color: white  |
| 0201692 | MPS-IH YE  | Insulating sleeve, Color: yellow |
| 0201744 | MPS-MT     | Test plugs                       |
| 3032871 | PAI-4-N GY | Test adapter, Color: gray        |
| 3030996 | PS-6       | Test adapter, Color: red         |

**Tools**

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

**Additional products**

| Item                | Designation        | Description                                                                                                                      |
|---------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b>     |                    |                                                                                                                                  |
| 3036796             | P-CO               | Component connector, Nominal current: 6 A, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray                              |
| <b>Plug/Adapter</b> |                    |                                                                                                                                  |
| 3032460             | P-CO 1N4007/L-R    | Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray                                                    |
| 3032457             | P-CO 1N4007/R-L    | Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray                                                    |
| 3036783             | P-DI               | Isolating connectors, Length: 10.5 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange                                             |
| 3038956             | P-FIX              | Feed-through connector, Length: 10.5 mm, Width: 4 mm, Color: gray                                                                |
| 3036806             | P-FU 5X20          | Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black  |
| 3036835             | P-FU 5X20 LA 250   | Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black  |
| 3036819             | P-FU 5X20 LED 24   | Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black  |
| 3036822             | P-FU 5X20 LED 60   | Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black  |
| 3046498             | P-FU 6,3X32        | Fuse plug, Nominal current: 10 A, Nominal voltage: 630 V, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Color: black |
| 3046524             | P-FU 6,3X32 LA 250 | Fuse plug, Nominal current: 10 A, Nominal voltage: 250 V, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Color: black |
| 3046508             | P-FU 6,3X32 LED 24 | Fuse plug, Nominal current: 10 A, Nominal voltage: 24 V, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Color: black  |
| 3046511             | P-FU 6,3X32 LED 60 | Fuse plug, Nominal current: 10 A, Nominal voltage: 60 V, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Color: black  |

## Diagrams/Drawings

### Circuit diagram

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