

## PIT 4-DIO 1N 5408/R-L

Order No.: 3212125



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3212125>

Component terminal block, Connection type: Leg spring connection,  
Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, Nominal current: 1.5  
A, Nominal voltage: 800 V, Length: 56 mm, Width: 6.2 mm,  
Color: gray, Assembly: NS 35/7.5, NS 35/15

### Commercial data

|                          |   |
|--------------------------|---|
| GTIN (EAN)               |  |
| Note                     | Made-to-order   |
| sales group              | A642  |
| Pack                     | 50 pcs.   |
| Customs tariff           | 85369010  |
| Catalog page information | Page 118 (CL1-2011)   |

### Product notes

WEEE/RoHS-compliant since:  
05/08/2009



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### Technical data

#### General

|                  |   |
|------------------|---|
| Note             | The max. current is determined by the diode. Installed: diode 1N 5408, reverse voltage: 1000 V, maximum continuous current: 1.5 A |
| 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      | (the maximum current is determined by the diode) |
| Rated surge voltage       | 8 kV   |
| Pollution degree          | 3  |
| Surge voltage category    | III  |
| Insulating material group | I  |
| Nominal current $I_N$     | 1.5 A  |
| Nominal voltage $U_N$     | 800 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   | Leg spring connection |
| Stripping length  | 10 mm                 |
| Internal cylindrical gage   | A4                    |

### Certificates / Approvals



Certification CUL, GL, GOST, UL

### 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 |
| 3038930 | FBS 50-5 | 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          |
| 0818085 | UC-TM 6          | UniCard materials for labeling terminal blocks with a marker groove,80-section, can be labeled with BLUEMARK and CMS-P1-PLOTTER, color: white  |
| 0824589 | UC-TM 6 CUS      | Terminal block marking, can be labeled as per customer specifications  |
| 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   |
| 0828736 | UCT-TM 6         | UniCard materials for thermal transfer printer, for labeling terminal blocks with a marker groove, 60-section, can be labeled with THERMOMARK CARD and BLUEMARK LED, color: white            |
| 0829602 | UCT-TM 6 CUS     | Terminal block marking, can be labeled as per customer specifications  |
| 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 |
|---------|---------------|---|

**Diagrams/Drawings**

Circuit diagram



**Address**

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 00  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

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