

## UK 3-RETURN

Order No.: 3002513

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3002513>

Universal terminal block with screw connection, cross section: 0.2 - 2.5 mm<sup>2</sup>, AWG: 30 - 12, width: 5.2 mm, color: gray

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918090289      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.008998 KG        |
| Catalog page information | Page 226 (CL-2005) |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



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### Technical data

#### General

|                                    |      |
|------------------------------------|------|
| Number of levels                   | 2    |
| Number of connections              | 2    |
| Color                              | gray |
| Insulating material                | PA   |
| Inflammability class acc. to UL 94 | V2   |

#### Dimensions

|                  |         |
|------------------|---------|
| Length           | 47.5 mm |
| Width            | 5.2 mm  |
| Height NS 35/7,5 | 58.5 mm |
| Height NS 35/15  | 66 mm   |
| Height NS 32     | 63.5 mm |

#### Technical data

|                                  |          |
|----------------------------------|----------|
| Rated surge voltage              | 6 kV     |
| Pollution degree                 | 3        |
| Surge voltage category           | III      |
| Insulating material group        | I        |
| Connection in acc. with standard | IEC / EN |
| Nominal current $I_N$            | 32 A     |
| Nominal voltage $U_N$            | 500 V    |

#### Connection data

|                                                                                       |                      |
|---------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                    | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                    | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                                 | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                | 24                   |
| Conductor cross section AWG/kcmil max                                                 | 12                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.            | 0.25 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.               | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                                      | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                      | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                                   | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                   | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 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>   |
| Cross-section with insertion bridge, solid max.                                         | 4 mm <sup>2</sup>   |
| Cross-section with insertion bridge, stranded max.                                      | 2.5 mm <sup>2</sup> |
| Type of connection                                                                      | Screw connection    |
| Stripping length                                                                        | 8 mm                |
| Screw thread                                                                            | M3                  |
| Tightening torque, min                                                                  | 0.6 Nm              |
| Tightening torque max                                                                   | 0.8 Nm              |

#### Certificates / Approvals



Certification

CSA, GOST, PRS, UL

#### CSA

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 25 A  |
| AWG/kcmil                      | 28-12 |

#### UL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 20 A  |
| AWG/kcmil                      | 30-12 |

#### Accessories

| Item            | Designation     | Description                                                                                                                                                                    |
|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                 |                                                                                                                                                                                |
| 3002542         | ATP-UK 3-RETURN | Partition plate, Length: 49.1 mm, Width: 1.5 mm, Height: 69.5 mm, Color: gray                                                                                                  |
| 3022218         | CLIPFIX 35      | Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray |
| 3002539         | D-UK 3-RETURN   | End cover, Length: 47.5 mm, Width: 1.5 mm, Height: 58.5 mm, Color: gray                                                                                                        |

|         |                               |                                                                                                                              |
|---------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1201413 | E/UK 1                        | End brackets, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray             |
| 1201028 | NS 32 AL UNPERF 2000MM        | G rail 32 mm (NS 32)                                                                                                         |
| 1201280 | NS 32 CU/120QMM UNPERF 2000MM | G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m                        |
| 1201358 | NS 32 CU/35QMM UNPERF 2000MM  | G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m                                    |
| 1201002 | NS 32 PERF 2000MM             | G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m                                       |
| 1201015 | NS 32 UNPERF 2000MM           | G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 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                                            |
| 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 |
| 0801681 | NS 35/ 7,5 UNPERF 2000MM      | DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                             |
| 1201756 | NS 35/15 AL UNPERF 2000MM     | DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 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                                              |
| 1201798 | NS 35/15-2,3 UNPERF 2000MM    | DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m                                |
| 3002526 | TS-UK 3-RETURN                | Separating plate, Color: gray                                                                                                |

**Bridges**

|         |              |                                                                        |
|---------|--------------|------------------------------------------------------------------------|
| 1401158 | EB 2- 5      | Cross connector/bridge, Number of positions: 2, Color: gray            |
| 1401145 | EB 3- 5      | Cross connector/bridge, Number of positions: 3, Color: gray            |
| 1401132 | EB 10- 5     | Cross connector/bridge, Number of positions: 10, Color: gray           |
| 3000612 | FBRN 10-5-EX | Cross connector/bridge, Number of positions: 10, Color: white aluminum |
| 3000175 | FBRNI 2-5 N  | Cross connector/bridge, Number of positions: 2, Color: silver          |
| 3000162 | FBRNI 3-5 N  | Cross connector/bridge, Number of positions: 3, Color: silver          |
| 3000159 | FBRNI 4-5 N  | Cross connector/bridge, Number of positions: 4, Color: silver          |
| 2770639 | FBRNI 10-5 N | Cross connector/bridge, Number of positions: 10, Color: silver         |
| 3000609 | FBRNI 20-5 N | Cross connector/bridge, Number of positions: 20, Color: aluminum       |

### Marking

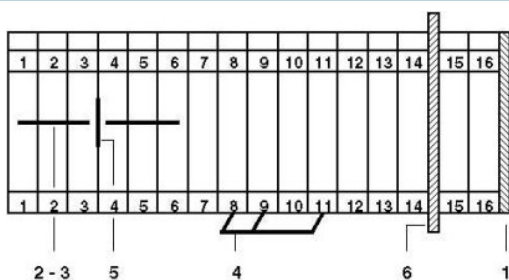
|         |                  |                                                                                                 |
|---------|------------------|-------------------------------------------------------------------------------------------------|
| 1007219 | SBS 5:UNBEDRUCKT | Marker cards for modular terminal blocks, color: white                                          |
| 1050295 | ZB 5:SO/CMS      | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |

### Plug/Adapter

|         |             |                                                               |
|---------|-------------|---------------------------------------------------------------|
| 2303543 | KSS 5       | Short circuit connector, Number of positions: 2, Color: black |
| 0601292 | PSB 3/10/4  | Female test connector, Color: silver                          |
| 0201304 | PSBJ 3/13/4 | Female test connector, Color: silver                          |
| 0201647 | RPS         | Reducing plug, Color: gray                                    |

### Diagrams/Drawings

#### Circuit diagram



- 1 = cover
- 2 = fixed bridge, for cross-connections in the terminal center, screw heads with insulating collar
- 3 = fixed bridge, for cross-connections in the terminal center, with crimped-on rollers
- 4 = insertion bridge
- 5 = separating plate
- 6 = partition plate

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