

## UK 35

Order No.: 3008012

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3008012>

Universal terminal block with screw connection, cross section: 0.75 - 35 mm<sup>2</sup>, AWG: 18 - 1/0, width: 15.2 mm, color: gray



### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918091552      |
| Pack                     | 50 Pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.0576 KG          |
| Catalog page information | Page 213 (CL-2005) |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2005



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### Technical data

#### General

|                       |      |
|-----------------------|------|
| Number of levels      | 1    |
| Number of connections | 2    |
| Color                 | gray |

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

**Dimensions**

|                  |         |
|------------------|---------|
| Width            | 15.2 mm |
| Length           | 50 mm   |
| Height NS 35/7,5 | 62 mm   |
| Height NS 35/15  | 69.5 mm |
| Height NS 32     | 67 mm   |

**Technical data**

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Maximum load current             | 150 A (with 50 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage              | 8 kV                                                    |
| Pollution degree                 | 3                                                       |
| Surge voltage category           | III                                                     |
| Insulating material group        | I                                                       |
| Connection in acc. with standard | IEC 60947-7-1                                           |
| Nominal current I <sub>N</sub>   | 150 A                                                   |
| Nominal voltage U <sub>N</sub>   | 1000 V                                                  |
| Open side panel                  | nein                                                    |

**Connection data**

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.75 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 50 mm <sup>2</sup>   |
| Conductor cross section stranded min.                                      | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 35 mm <sup>2</sup>   |
| Conductor cross section AWG/kcmil min.                                     | 18                   |
| Conductor cross section AWG/kcmil max                                      | 0/1                  |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 35 mm <sup>2</sup>   |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.    | 35 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid min.                           | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                           | 16 mm <sup>2</sup>   |

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| 2 conductors with same cross section, stranded min.                                     | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 10 mm <sup>2</sup>   |
| Type of connection                                                                      | Screw connection     |
| Stripping length                                                                        | 16 mm                |
| Internal cylindrical gage                                                               | B9                   |
| Screw thread                                                                            | M6                   |
| Tightening torque, min                                                                  | 3.2 Nm               |
| Tightening torque max                                                                   | 3.7 Nm               |

#### Certificates / Approvals

#### Approval logo



#### CSA

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 140 A |
| AWG/kcmil             | 18-2  |

#### CUL

|                       |        |
|-----------------------|--------|
| Nominal voltage $U_N$ | 1000 V |
| Nominal current $I_N$ | 150 A  |
| AWG/kcmil             | 18-1/0 |

#### UL

|                       |        |
|-----------------------|--------|
| Nominal voltage $U_N$ | 1000 V |
| Nominal current $I_N$ | 150 A  |
| AWG/kcmil             | 18-1/0 |

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Certification | ABS, BV, CB, CCA, CSA, CUL, DNV, GOST, KEMA, KR, LR, NK, PRS, RS, UL |
|---------------|----------------------------------------------------------------------|

**requested approbations**

|                   |                                          |
|-------------------|------------------------------------------|
| Certification Ex: | CUL-EX, FM, GL-EX, IECEx, KEMA-EX, UL-EX |
|-------------------|------------------------------------------|

**Accessories**

| Item            | Designation                   | Description                                                                                                                                                                         |
|-----------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                               |                                                                                                                                                                                     |
| 3022218         | CLIPFIX 35                    | Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 mounting 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 |
| 1201442         | E/UK                          | End clamp, for supporting the electronic base. If mounted vertically, 2 end clamps are required in each case                                                                        |
| 1024263         | EA 11                         | Single cover, for covering one terminal block, snap fit, cannot be labeled, color: transparent                                                                                      |
| 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, 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                                                                                       |
| 0204107         | STL 35/ 5                     | Step bracket, 2-pos.                                                                                                                                                                |

|         |           |                                                                                                                        |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------|
| 0204084 | STL 35/10 | Step bracket, 2-pos.                                                                                                   |
| 0204097 | STL 35/16 | Step bracket, 2-pos.                                                                                                   |
| 3008096 | TP-UK 35  | Separating plate, width: 7.5 mm, color: gray                                                                           |
| 1302215 | TS-K      | Separating plate, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch, color: Gray |

**Bridges**

|         |                  |                                                                                          |
|---------|------------------|------------------------------------------------------------------------------------------|
| 0203166 | EB 2-15          | Insertion bridge, 2-pos., fully insulated                                                |
| 0205119 | EB 2-15 K/UK 35  | Insertion bridge, 2-pos., fully insulated                                                |
| 0205106 | EB 3-15 K/UK 35  | Insertion bridge, 3-pos., fully insulated                                                |
| 0205135 | EB 10-15         | Insertion bridge, 10-pos., divisible, fully insulated                                    |
| 0205096 | EB 10-15 K/UK 35 | Insertion bridge, 10-pos., divisible, fully insulated                                    |
| 0201333 | FBI 2-15         | Fixed bridge, for cross connections, with screws, screw heads without insulation, 2-pos. |
| 0201278 | FBI 3-15         | Fixed bridge, for cross connections, with screws, screw heads without insulation, 3-pos. |
| 0205203 | KBI- 15          | Chain bridge, across any number of terminal blocks, 1-pos., with insulated screw         |
| 0205232 | SBH 2-15         | Switching bridge, 2-pos.                                                                 |

**Marking**

|         |             |                                                                                                 |
|---------|-------------|-------------------------------------------------------------------------------------------------|
| 1004241 | WS 4-15     | Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 15 mm                     |
| 1004445 | WS 5-15     | Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 15 mm                     |
| 1050525 | ZB10:SO/CMS | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |

**Plug/Adapter**

|         |           |                                                                                                            |
|---------|-----------|------------------------------------------------------------------------------------------------------------|
| 0311647 | PS-MT     | Test plug, consisting of: metal part for 4 mm diameter socket hole and insulating sleeve for PS metal part |
| 0205290 | PSB 6/5/6 | Test plug socket, not insulated, length: 6 mm, screw thread width: 5 mm, socket width: 6 mm                |

**Address**

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