

## UT 4-HESI (5X20)

Order No.: 3046032



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3046032>

Fuse terminal block for assembly on NS 35, for 5 x 20 cartridge fuse inserts

### Commercial data

|                          |                   |
|--------------------------|-------------------|
| EAN                      | 4017918956578     |
| Pack                     | 50 pcs.           |
| Customs tariff           | 85369010          |
| Weight/Piece             | 0.01782 KG        |
| Catalog page information | Page 44 (CL-2009) |

### Product notes

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



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### Technical data

#### General

|                                    |       |
|------------------------------------|-------|
| Number of levels                   | 1     |
| Number of connections              | 2     |
| Color                              | black |
| Insulating material                | PA    |
| Inflammability class acc. to UL 94 | V0    |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 6.2 mm  |
| Length           | 57.8 mm |
| Height NS 35/7,5 | 73 mm   |
| Height NS 35/15  | 80.5 mm |

#### Technical data

|                                  |                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Fuse                             | G / 5 x 20                                                                                                     |
| Fuse type                        | Glass                                                                                                          |
| Rated surge voltage              | 6 kV                                                                                                           |
| Pollution degree                 | 3                                                                                                              |
| Surge voltage category           | III                                                                                                            |
| Insulating material group        | I                                                                                                              |
| Connection in acc. with standard | IEC 60947-7-3                                                                                                  |
| Nominal current $I_N$            | 6.3 A (if used as disconnect terminal block. With fuse, the current is determined by the fuse used.)           |
| Nominal voltage $U_N$            | 500 V (if used as fuse terminal block)                                                                         |
|                                  | 500 V (if used as disconnect terminal block)                                                                   |
| Power loss                       | $\geq 1.6$ W (With single arrangement of the fuse terminal block in the event of overload)                     |
|                                  | $\geq 1.6$ W (With interconnected arrangement of several fuse terminal blocks in the event of overload)        |
|                                  | $\geq 4$ W (With single arrangement of the fuse terminal block in the event of a short-circuit)                |
|                                  | $\geq 2.5$ W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit) |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 6 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 6 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                     | 26                   |
| Conductor cross section AWG/kcmil max                                      | 10                   |
| 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. | 4 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.                 | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, solid min.                                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 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. | 2.5 mm <sup>2</sup>  |
| Type of connection                                                                      | Screw connection     |
| Stripping length                                                                        | 9 mm                 |
| Internal cylindrical gage                                                               | A4                   |
| Screw thread                                                                            | M3                   |
| Tightening torque, min                                                                  | 0.6 Nm               |
| Tightening torque max                                                                   | 0.8 Nm               |

#### Certificates / Approvals



Certification

CB, CSA, CUL, DNV, GL, KEMA, LR, UL

#### CSA

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 600 V |
| Nominal current I <sub>N</sub> | 6.3 A |
| AWG/kcmil                      | 26-10 |

#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 600 V |
| Nominal current I <sub>N</sub> | 6.3 A |

|                       |       |
|-----------------------|-------|
| AWG/kcmil             | 26-10 |
| <b>UL</b>             |       |
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 6.3 A |
| AWG/kcmil             | 26-10 |

#### Accessories

| Item            | Designation                 | Description                                                                                                                                                                                                                  |
|-----------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                             |                                                                                                                                                                                                                              |
| 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 |
| 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                                                                                                 |
| 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                                                                                                                               |
| 1207679         | NS 35/15 PERF 755MM         | NS 35 DIN rail, perforated, height 15 mm, length 755 mm                                                                                                                                                                      |
| 1207682         | NS 35/15 PERF 955MM         | NS 35 DIN rail, perforated, height 15 mm, length 955 mm                                                                                                                                                                      |
| 1207695         | NS 35/15 PERF 1155MM        | NS 35 DIN rail, perforated, height 15 mm, length 1155 mm                                                                                                                                                                     |
| 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                                                                                                                                |
| 3004207         | VS                          | Connection pin, Length: 1000 mm, Color: white                                                                                                                                                                                |

#### Bridges

|         |         |                                                            |
|---------|---------|------------------------------------------------------------|
| 3030336 | FBS 2-6 | Cross connector/bridge, Number of positions: 2, Color: red |
|---------|---------|------------------------------------------------------------|

|         |          |                                                             |
|---------|----------|-------------------------------------------------------------|
| 3030242 | FBS 3-6  | Cross connector/bridge, Number of positions: 3, Color: red  |
| 3030255 | FBS 4-6  | Cross connector/bridge, Number of positions: 4, Color: red  |
| 3030349 | FBS 5-6  | Cross connector/bridge, Number of positions: 5, Color: red  |
| 3030271 | FBS 10-6 | Cross connector/bridge, Number of positions: 10, Color: red |
| 3030365 | FBS 20-6 | Cross connector/bridge, Number of positions: 20, Color: red |
| 3032224 | FBS 50-6 | Cross connector/bridge, Number of positions: 50, Color: red |

#### General

|         |              |                                                                 |
|---------|--------------|-----------------------------------------------------------------|
| 5023901 | UK 5-HESI-DM | Contact metal in the form of a glass tube fuse insert 5 x 20 mm |
|---------|--------------|-----------------------------------------------------------------|

#### Marking

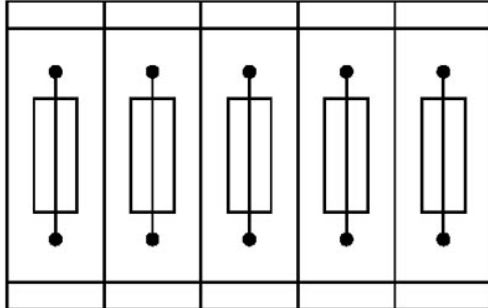
|         |                        |                                                                                                                                                                                                    |
|---------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0811228 | X-PEN 0,35             | Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm                                                                            |
| 1050004 | ZB 5 :UNBEDRUCKT       | Zack strip, unprinted, 10-section, for individual labeling with M-PEN, ZB-T or CMS system, pack is sufficient for 100 terminal blocks, for a terminal width of 5.2 mm, color: White                |
| 1050017 | ZB 5,LGS:FORTL.ZAHLEN  | Zack strip, 10-section, printed horizontally: with the numbers, 1-10, 11-20 etc. up to 991-1000, color: white                                                                                      |
| 1050020 | ZB 5,QR:FORTL.ZAHLEN   | Zack strip, 10-section, printed vertically: with consecutive numbers, 1-10, 11-20 a.s.o. up to 991-1000, color: white                                                                              |
| 5060906 | ZB 5/WH-100:UNBEDRUCKT | Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 5.2 mm, color: White |
| 1050295 | ZB 5:SO/CMS            | Zack strip, 10-section, divisible, special printing, marking according to customer requirements                                                                                                    |
| 1051016 | ZB 6,LGS:FORTL.ZAHLEN  | Zack strip, 10-section, printed horizontally: with the numbers, 1-10, 11-20 etc. up to 991-1000, color: white                                                                                      |
| 5060935 | ZB 6/WH-100:UNBEDRUCKT | Zack strip, unprinted: For individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 6.2 mm, color: White             |
| 1050499 | ZB 6:SO/CMS            | Zack strip, 10-section, divisible, special printing, marking according to customer requirements                                                                                                    |

#### Tools

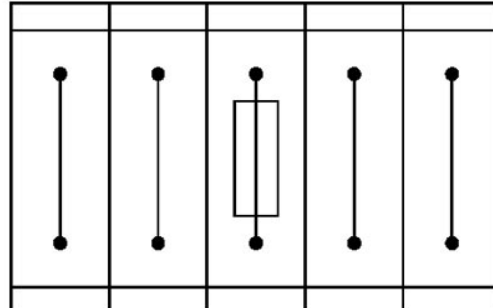
|         |             |                                                                                                                                                      |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

## Diagrams/Drawings

### Application drawing

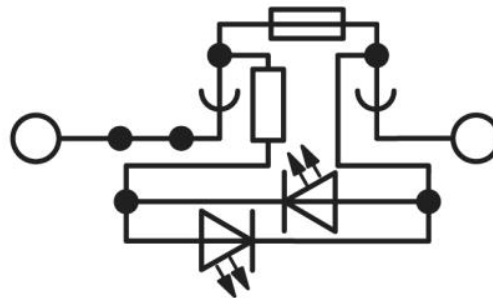
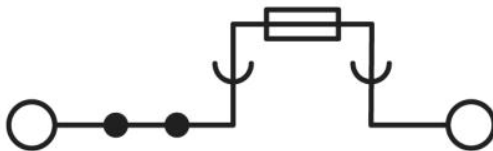


Fuse terminal blocks in interconnected arrangement, block consisting of 5 fuse terminal blocks



Fuse terminal block in single arrangement, block consisting of one fuse terminal block and 4 feed-through terminal blocks

### Circuit diagram



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