# UT 6-HESILA 250 (6,3X32) - Fuse modular terminal block

3046430

https://www.phoenixcontact.com/us/products/3046430

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 6,3 x 32, nom. voltage: 250 V, nominal current: 10 A, connection method: Screw connection, Rated cross section: 6 $mm^2$, cross section: 0.2 $mm^2$ - 10 $mm^2$, mounting type: NS 35/7,5, NS 35/15, color: black

## Your advantages

- Globally recognized: Internationally proven screw connection
- Maintenance-free and vibration-resistant thanks to the patented Reakdyn principle
- Easy integration and replacement of fuses with the lever element
- Easy checking of the fuses with optical signal unit
- Long-term stable connections with the use of high-quality materials
- Long-term stable connections with the use of high-quality materials
- Maximum efficiency in the smallest space - thanks to integrated level bridging, the connections are connected across levels

## Commercial data

| | |
|---|---|
| Item number | 3046430 |
| Packing unit | 50 pc |
| Minimum order quantity | 1 pc |
| Sales key | BE01 |
| Product key | BE1134 |
| GTIN | 4046356055833 |
| Weight per piece (including packing) | 24.76 g |
| Weight per piece (excluding packing) | 24.76 g |
| Customs tariff number | 85369095 |
| Country of origin | PL |

## Technical data

### Notes

| | |
|---|---|
| Order information: | Fuse-link not supplied as standard |
| General | The current is determined by the fuse used, the voltage by the selected LED.<br>If the fuse is faulty, the downstream circuit will not be disconnected. |

### Product properties

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|---|---|
| Product type | Fuse terminal block |
| Product family | UT |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 1 |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

### Electrical properties

| | |
|---|---|
| Fuse type | Glass / ceramics / ... |
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 1.31 W |
| Fuse | G / 6,3 x 32 |
| LED voltage range | 110 V AC/DC ... 250 V AC/DC |
| Maximum current with single arrangement | 10 A |
| LED current range | 0.41 mA ... 0.96 mA |
| Maximum power dissipation | max. 1.6 W (with single arrangement of the fuse terminal block in the event of overload) |
| | max. 1.6 W (With interconnected arrangement of several fuse terminal blocks in the event of overload) |
| | max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit) |
| | max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit) |

### Input data

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|---|---|
| LED voltage range | 110 V AC/DC ... 250 V AC/DC |

### Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 6 mm² |

Level 1 above 1 below 1

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M4 |
| Tightening torque | 1.5 ... 1.8 Nm |
| Stripping length | 10 mm |
| Internal cylindrical gage | A5 |
| Connection in acc. with standard | IEC 60947-7-3 |
| Conductor cross-section rigid | 0.2 mm² ... 10 mm² |
| Cross section AWG | 24 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm² ... 10 mm² |
| Conductor cross-section, flexible [AWG] | 24 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible ultrasound-compressed | 0.34 mm² ... 10 mm² |
| Conductor cross-section, flexible [AWG] ultrasound-compressed | 22 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 6 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm² ... 6 mm² |
| 2 conductors with same cross section, rigid | 0.2 mm² ... 2.5 mm² |
| 2 conductors with same cross section, flexible | 0.2 mm² ... 2.5 mm² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm² ... 1.5 mm² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 4 mm² |
| Nominal cross section | 6 mm² |
| Nominal current | 10 A |
| Maximum load current | 10 A (the current is determined by the fuse used) |
| Nominal voltage | 250 V |

## Dimensions

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|---|---|
| Width | 8.2 mm |
| Height | 57.8 mm |
| Depth on NS 35/7,5 | 75.6 mm |
| Depth on NS 35/15 | 83.1 mm |

## Material specifications

| | |
|---|---|
| Color | black (RAL 9005) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -60 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |

| | |
|---|---|
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 27,5 MJ/kg |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Open side panel | No |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (operation) | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

## Standards and regulations

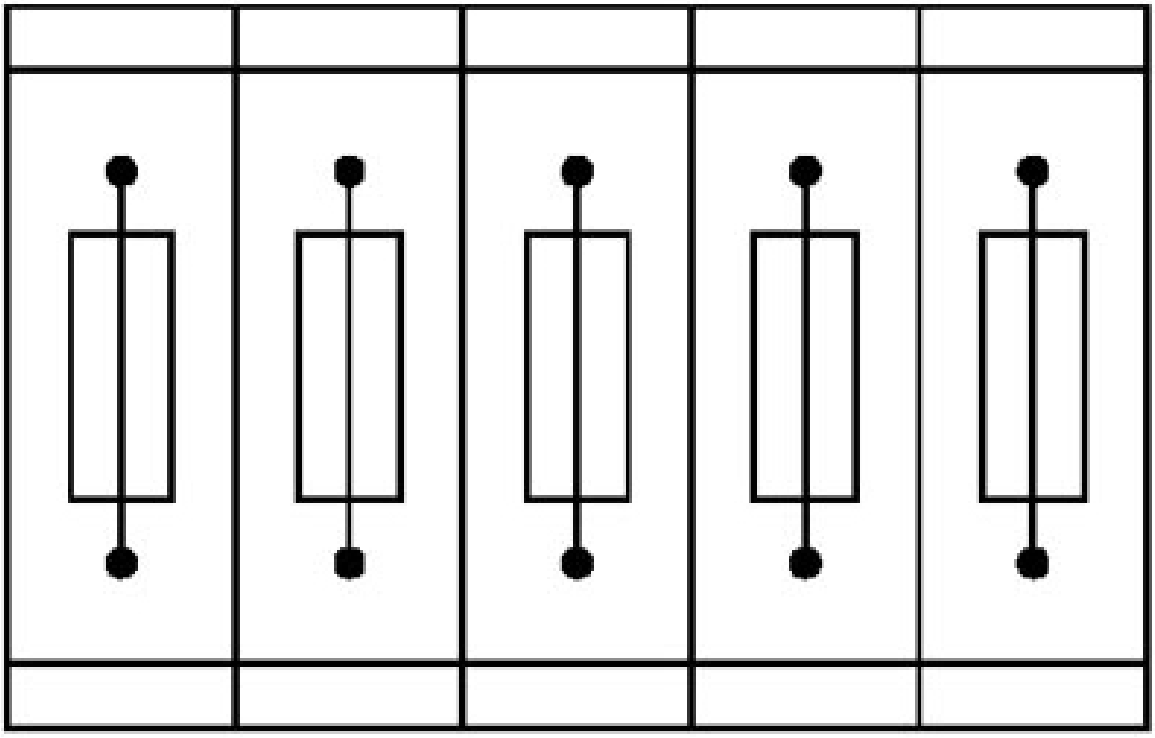
| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-3 |

## Mounting

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|---|---|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |

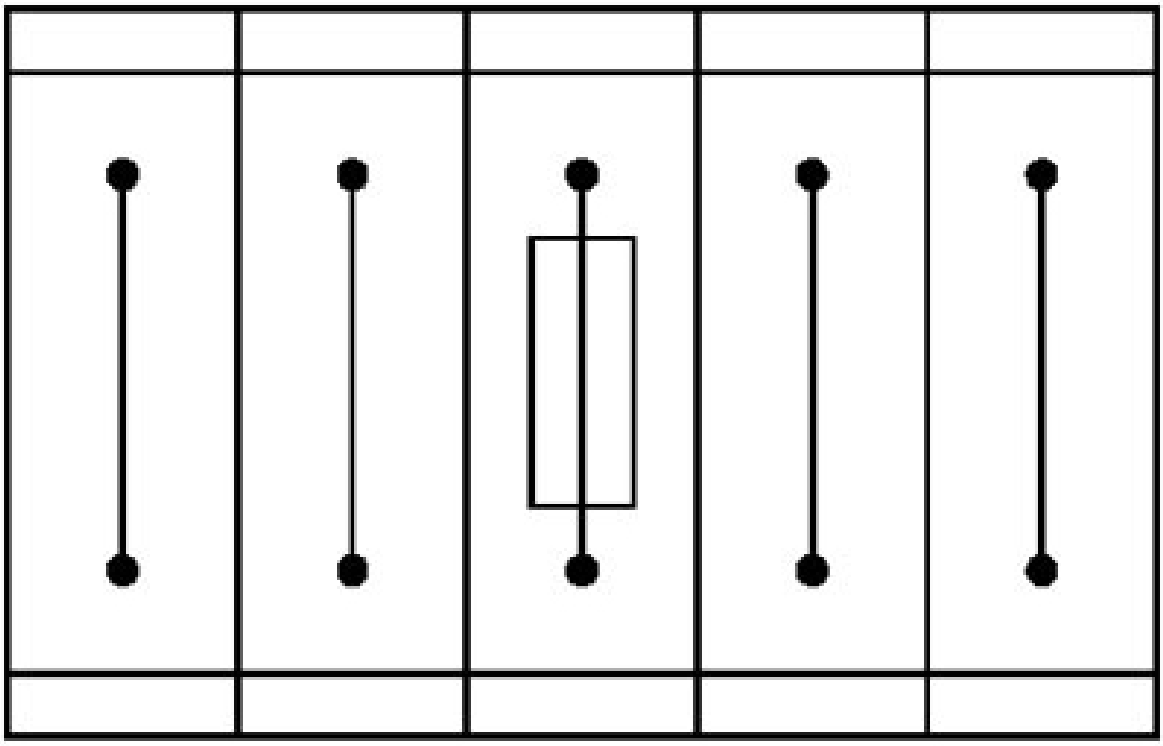
## Drawings

Application drawing



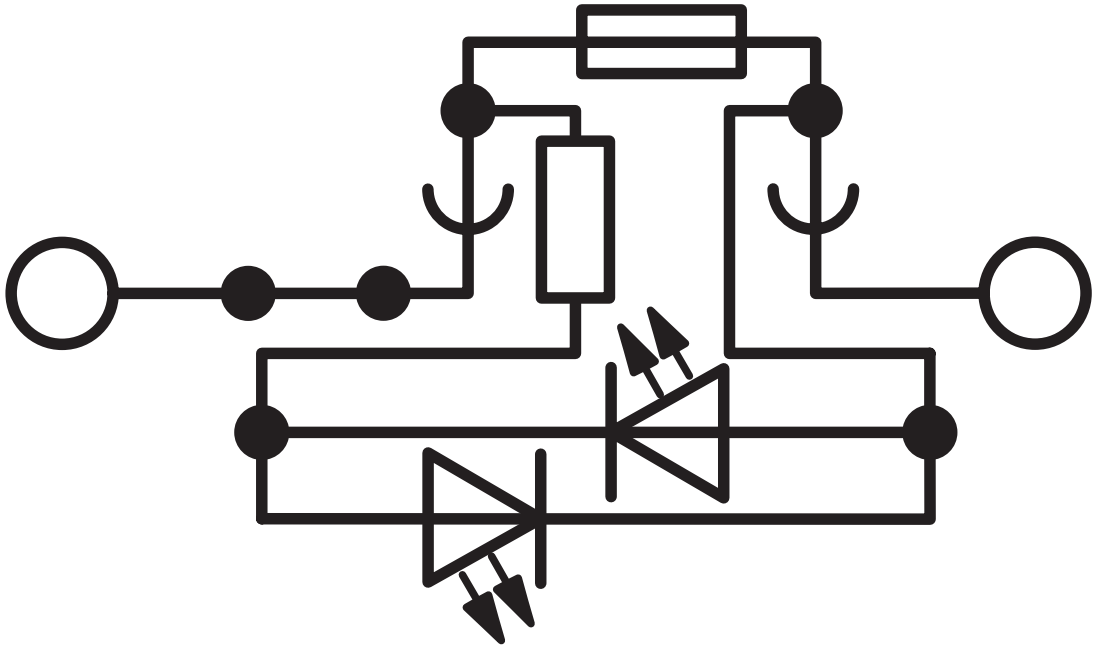
Fuse terminal blocks in interconnected arrangement,
block consisting of 5 fuse terminal blocks

Application drawing



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

Circuit diagram



## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27250113 |
| ECLASS-15.0 | 27250113 |

### ETIM

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|---|---|
| ETIM 10.0 | EC000899 |

### UNSPSC

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|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

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|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 49380ab8-6cd1-41c5-b710-4eb5d981859e |


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