

UT 4-L/HESI (5X20)-DIO/U-OL - Fuse modular terminal block



1013133

<https://www.phoenixcontact.com/gb/products/1013133>

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Fuse modular terminal block, with diode1N4007, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 500 V, nominal current: 28 A, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm²- 6 mm², connection method: Screw connection, Rated cross section: 1 mm², cross section: 0.14 mm²- 6 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1013133 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE1136 |
| Product key | BE1136 |
| GTIN | 4055626491165 |
| Weight per piece (including packing) | 32.874 g |
| Weight per piece (excluding packing) | 32.874 g |
| Customs tariff number | 85369095 |
| Country of origin | PL |

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Technical data

Notes

| | |
|---------|---|
| General | The current is determined by the fuse used, the voltage by the selected LED. If the fuse is faulty, the downstream circuit will not be disconnected. |
|---------|---|

Product properties

| | |
|-----------------------|---------------------|
| Product type | Fuse terminal block |
| Number of connections | 4 |
| Number of rows | 2 |
| Potentials | 2 |

Insulation characteristics

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

Electrical properties

| | |
|---------------------------|--|
| Fuse type | Glass / ceramics / ... |
| Rated surge voltage | 6 kV |
| Fuse | G / 5 x 20 |
| 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) |

Connection data

| | |
|---|--|
| Number of connections per level | 2 |
| Nominal cross section | 4 mm ² |
| Screw thread | M3 |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 9 mm |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 60947-7-1/IEC 60947-7-3 |
| Conductor cross section rigid | 0.14 mm ² ... 6 mm ² |
| Cross section AWG | 26 ... 10 (converted acc. to IEC) |
| Conductor cross section flexible | 0.14 mm ² ... 6 mm ² |
| Conductor cross section, flexible [AWG] | 26 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| 2 conductors with same cross section, solid | 0.14 mm ² ... 1.5 mm ² |

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| | |
|---|---|
| 2 conductors with same cross section, flexible | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |
| Nominal current | 28 A (with 4 mm ² conductor cross section) |
| Maximum load current | 36 A (with 6 mm ² conductor cross section) |
| Nominal voltage | 500 V |
| Nominal cross section | 4 mm ² |

Level 2

| | |
|---|--|
| Screw thread | M3 |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 9 mm |
| Connection in acc. with standard | IEC 60947-7-1/IEC 60947-7-3 |
| Conductor cross section rigid | 0.14 mm ² ... 6 mm ² |
| Cross section AWG | 26 ... 10 (converted acc. to IEC) |
| Conductor cross section flexible | 0.14 mm ² ... 6 mm ² |
| Conductor cross section, flexible [AWG] | 26 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| 2 conductors with same cross section, solid | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |
| Nominal current | 6.3 A |
| Maximum load current | 6.3 A (the current is determined by the fuse used) |
| Nominal voltage | 500 V (the voltage is determined by the fuse used) |
| Nominal cross section | 1 mm ² |

Dimensions

| | |
|--------------------|---------|
| Width | 6.2 mm |
| Height | 92.7 mm |
| Depth | 94.5 mm |
| Depth on NS 35/7,5 | 88.9 mm |
| Depth on NS 35/15 | 96.4 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 |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |

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| | |
|---|-------------|
| 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 |
| 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 60947-7-1/IEC 60947-7-3 |
| | IEC 60947-7-1/IEC 60947-7-3 |

Mounting

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

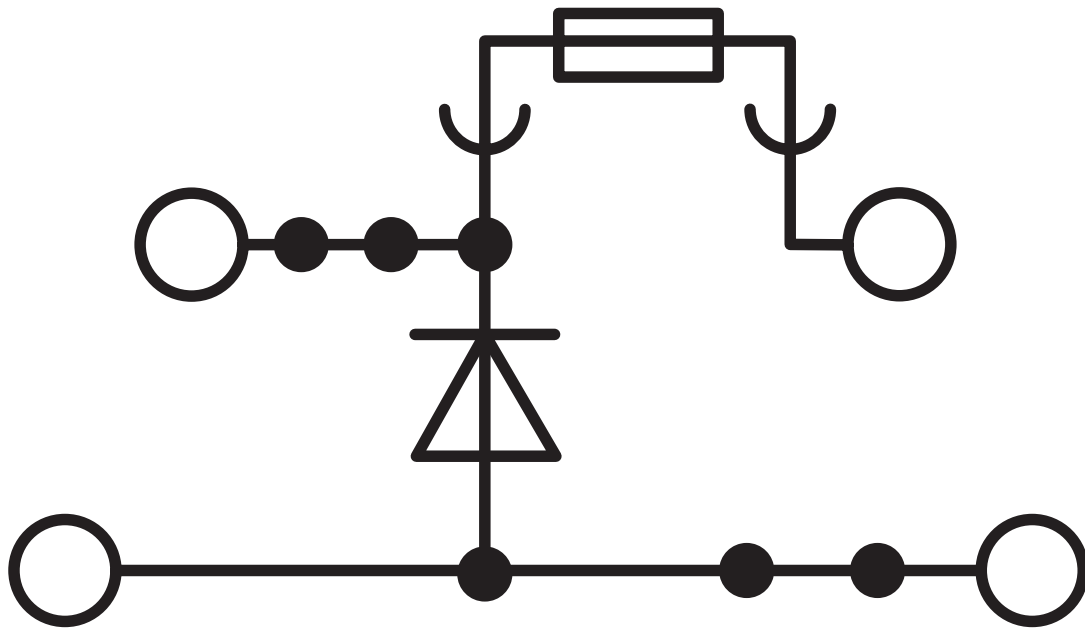
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Drawings

Circuit diagram



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Approvals

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|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| Use group B | | | | |
| upper level | 300 V | 16 A | 26 - 10 | - |
| lower level | 300 V | 20 A | 26 - 10 | - |
| Use group C | | | | |
| upper level | 300 V | 16 A | 26 - 10 | - |
| lower level | 300 V | 20 A | 26 - 10 | - |

 **cULus Recognized**
Approval ID: E60425

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Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000899 |
|----------|----------|

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(a) |

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 | ed6eba81-fea2-413f-8fad-b05a15770253 |

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