

PT 10-FSI/C-LED 24 - Fuse modular terminal block



1088500

<https://www.phoenixcontact.com/us/products/1088500>

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Fuse modular terminal block, fuse type: Flat, fuse type: C, nom. voltage: 24 V, nominal current: 25 A, connection method: Push-in connection, Rated cross section: 10 mm², cross section: 0.5 mm²- 16 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1088500 |
| Packing unit | 1 pc |
| Minimum order quantity | 25 pc |
| Sales key | BE22 |
| Product key | BE2236 |
| GTIN | 4055626890234 |
| Weight per piece (including packing) | 32.06 g |
| Weight per piece (excluding packing) | 34.06 g |
| Customs tariff number | 85369010 |
| Country of origin | CN |

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Technical data

Notes

General

| | |
|------|--|
| Note | The current is determined by the fuse used, the voltage by the fuse or selected light indicator. |
|------|--|

Product properties

| | |
|-----------------------|---------------------|
| Product type | Fuse terminal block |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 1 |

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Fuse type | Flat |
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 1.82 W |
| Fuse | C |

Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 10 mm ² |
| Rated cross section AWG | 6 |
| Note | The current is determined by the fuse used, the voltage by the light indicator. |
| Stripping length | 18 mm ... 20 mm |
| Connection in acc. with standard | IEC 60947-7-3 |
| Conductor cross section rigid | 0.5 mm ² ... 16 mm ² |
| Cross section AWG | 20 ... 6 (converted acc. to IEC) |
| Conductor cross section flexible | 0.5 mm ² ... 10 mm ² |
| Conductor cross section, flexible [AWG] | 20 ... 6 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm ² ... 10 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.5 mm ² ... 10 mm ² |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.5 mm ² ... 4 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 4 mm ² |
| Nominal current | 25 A |
| Maximum load current | 30 A |
| Nominal voltage | 24 V |
| Nominal cross section | 10 mm ² |

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Connection cross sections directly pluggable

| | |
|---|--|
| Conductor cross section rigid | 1 mm ² ... 16 mm ² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 1 mm ² ... 10 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 1 mm ² ... 10 mm ² |

Dimensions

| | |
|--------------------|---------|
| Width | 10.2 mm |
| Height | 88.9 mm |
| Depth | 49.5 mm |
| Depth on NS 35/7,5 | 50.5 mm |
| Depth on NS 35/15 | 58 mm |

Material specifications

| | |
|---|-------------|
| Color | black |
| 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)) | 130 °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) | 28 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

Oscillation/broadband noise

| | |
|------------------------|--|
| Specification | DIN EN 50155 (VDE 0115-200):2008-03 |
| Spectrum | Service life test category 2, bogie-mounted |
| Frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level | 6.12 (m/s ²) ² /Hz |
| Acceleration | 3.12g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |

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| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

Shocks

| | |
|--------------------------------|---|
| Specification | DIN EN 50125-3 (VDE 0115-108-3):2003-10 |
| Pulse shape | Half-sine |
| Acceleration | 20 m/s ² |
| Shock duration | 11 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Result | Test passed |

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport) | 30 % ... 70 % |

Standards and regulations

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

Mounting

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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1088500>

| | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|  CSA Approval ID: 158887 | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| Use group B | 300 V | 25 A | 20 - 6 | - |
| Use group C | | | | |
| Use group D | 600 V | 5 A | 20 - 6 | - |

| | | | | |
|---|--|--|--|--|
|  EAC Approval ID: RU C-DE.BL08.B.00644 | | | | |
|---|--|--|--|--|

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|  cULus Recognized Approval ID: E60425 | | | | |
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|  cULus Recognized Approval ID: E60425 | | | | |
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Classifications

ECLASS

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|-------------|----------|
| ECLASS-11.0 | 27141116 |
| ECLASS-12.0 | 27141116 |
| ECLASS-13.0 | 27250113 |

ETIM

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| ETIM 8.0 | EC000899 |
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UNSPSC

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

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Environmental product compliance

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|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com