# ST 4-FSI/C-LED 48 - Fuse modular terminal block

3035250

https://www.phoenixcontact.com/us/products/3035250

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Fuse terminal block with LED for mounting on NS 35, for miniature circuit breakers, terminal width: 8.2 mm, color: Black

## Your advantages

- Versions with LED for indicating that a fuse has blown
- The ST 4-FSI/C fuse terminal block accommodates flat-type fuses in accordance with ISO/DIS 8820/DIN 72581-3 or the TCP .../DC32V thermal miniature circuit breaker as the fuse element

## Commercial data

| | |
|---|---|
| Item number | 3035250 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE02 |
| Product key | BE2136 |
| GTIN | 4046356053594 |
| Weight per piece (including packing) | 21.35 g |
| Weight per piece (excluding packing) | 21.35 g |
| Customs tariff number | 85369095 |
| Country of origin | TR |

# Technical data

## Notes

| | |
|---|---|
| Order information: | Fuse-link not supplied as standard |

## 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 | Blade |
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 1.02 W |
| Fuse | C |
| Voltage LED | 48 V DC |
| Current LED | 2 mA |
| Maximum current with single arrangement | 30 A |

## Input data

| | |
|---|---|
| Voltage LED | 48 V DC |

## Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 4 mm² |

### 1 level

| | |
|---|---|
| Connection method | Spring-cage connection |
| Stripping length | 8 mm ... 10 mm |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 60947-7-3 |
| Conductor cross-section rigid | 0.08 mm² ... 6 mm² |
| Cross section AWG | 28 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.08 mm² ... 4 mm² |
| Conductor cross-section, flexible [AWG] | 28 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible ultrasound-compressed | 0.34 mm² ... 6 mm² |
| Conductor cross-section, flexible [AWG] ultrasound-compressed | 22 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm² ... 4 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm² ... 4 mm² |
| 2 conductors with the same cross section, flexible, with TWIN | 0.5 mm² ... 1 mm² |

| | |
|---|---|
| ferrule with plastic sleeve | |
| Nominal cross section | 4 mm² |
| Nominal current | 30 A |
| Maximum load current | 30 A |
| Nominal voltage | 48 V |

## Dimensions

| | |
|---|---|
| Width | 8.2 mm |
| Height | 86.5 mm |
| Depth on NS 35/7,5 | 43.5 mm |
| Depth on NS 35/15 | 51 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 |
| 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 60947-7-3 |

## Mounting

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

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3035250

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

EAC
Approval ID: KZ7500651131219505

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.127 kg CO2e |


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