# PT 4-FSI/F-LED 12 - Fuse modular terminal block

3208951

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Fuse modular terminal block, fuse type: Flat, fuse type: Type F (miniature), nom. voltage: 12 V, nominal current: 10 A, connection method: Push-in connection, Rated cross section: 4 $mm^2$, cross section:  0.2 $mm^2$- 6 $mm^2$, mounting type: NS 35/7,5, NS 35/15, color: black

## Your advantages

- Convenient testing of fuses with test pick-offs on both sides
- Quick identification of faulty fuses, thanks to LED status indicator
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The easily accessible fuse inserts are easy to use or replace
- The compact design and front connection enable wiring in a confined space<br/>
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

# Technical data

## 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 | 1.02 W |
| Fuse | Type F (miniature) |
| Voltage LED | 12 V DC |
| Current LED | 2 mA |
| Maximum current with single arrangement | 15 A |

## Input data

| | |
|---|---|
| Voltage LED | 12 V DC |

## Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 4 mm² |
| Stripping length | 10 mm ... 12 mm |
| Internal cylindrical gage | A4 |
| Conductor cross section rigid | 0.2 mm² ... 6 mm² |
| Cross section AWG | 24 ... 10 (converted acc. to IEC) |
| Conductor cross section flexible | 0.2 mm² ... 6 mm² |
| Conductor cross section, flexible [AWG] | 24 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 4 mm² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.25 mm² ... 4 mm² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 1 mm² |
| Nominal current | 10 A (The current is determined by the fuse used, the voltage by the fuse or selected LED display.) |
| Maximum load current | 15 A (with 6 mm² conductor cross section, rigid) |
| Nominal voltage | 12 V (The current is determined by the fuse used, the voltage by the fuse or selected LED display.) |
| Nominal cross section | 4 mm² |

Connection cross sections directly pluggable

| | |
|---|---|
| Conductor cross section rigid | 0.5 mm² ... 6 mm² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm² ... 2.5 mm² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.5 mm² ... 2.5 mm² |

## Dimensions

| | |
|---|---|
| Width | 6.2 mm |
| End cover width | 2.2 mm |
| Height | 56 mm |
| Depth | 35.3 mm |
| Depth on NS 35/7,5 | 36.5 mm |
| Depth on NS 35/15 | 44 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 |
| 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 | Yes |

## 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 % |

## Mounting

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

| | |
|---|---|
| | NS 35/15 |


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