

# PT 10-HESILED 24 (6,3X32) - Fuse modular terminal block



1090618

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 6,3 x 32, nom. voltage: 24 V, nominal current: 10 A, connection method: Push-in connection, cross section: 0.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, color: gray

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## Your advantages

- 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 compact design and front connection enable wiring in a confined space
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The easily accessible fuse inserts are easy to use or replace
- Convenient testing of fuses with test pick-offs on both sides

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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                   |

#### 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 | 1.82 W                 |
| Fuse                                            | G / 6,3 x 32           |

### Connection data

|                                                                                                                   |                                            |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of connections per level                                                                                   | 2                                          |
| Nominal cross section                                                                                             | 10 mm <sup>2</sup>                         |
| Rated cross section AWG                                                                                           | 6                                          |
| Stripping length                                                                                                  | 18 mm ... 20 mm                            |
| Internal cylindrical gage                                                                                         | A5                                         |
| Connection in acc. with standard                                                                                  | IEC 60947-7-3                              |
| Conductor cross section rigid                                                                                     | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Cross section AWG                                                                                                 | 20 ... 6 (converted acc. to IEC)           |
| Conductor cross section flexible                                                                                  | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> |
| Conductor cross section, flexible [AWG]                                                                           | 20 ... 8 (converted acc. to IEC)           |
| Conductor cross-section flexible (ferrule without plastic sleeve)                                                 | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> |
| Flexible conductor cross section (ferrule with plastic sleeve)                                                    | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |
| Nominal current                                                                                                   | 10 A                                       |
| Maximum load current                                                                                              | 10 A                                       |
| Nominal voltage                                                                                                   | 24 V                                       |

#### Connection cross sections directly pluggable

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Conductor cross section rigid    | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Conductor cross section flexible | 1 mm <sup>2</sup> ... 16 mm <sup>2</sup>   |

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|                                                                         |                   |
|-------------------------------------------------------------------------|-------------------|
| Conductor cross-section flexible (ferrule without plastic sleeve)       | 1 mm² ... 10 mm²  |
| Flexible conductor cross section (ferrule with plastic sleeve)          | 1 mm² ... 10 mm²  |
| Conductor cross section flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 4 mm² |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 10.2 mm |
| Height             | 88.9 mm |
| Depth              | 77.3 mm |
| Depth on NS 35/7,5 | 78.3 mm |
| Depth on NS 35/15  | 84.8 mm |

## Material specifications

|                                                                         |             |
|-------------------------------------------------------------------------|-------------|
| Color                                                                   | gray        |
| Flammability rating according to UL 94                                  | V0          |
| Insulating material group                                               | I           |
| 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              | $6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$      |
| Acceleration           | 3.12g                                          |
| Test duration per axis | 5 h                                            |
| Test directions        | X-, Y- and Z-axis                              |
| Result                 | Test passed                                    |

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## Shocks

|                                |                                     |
|--------------------------------|-------------------------------------|
| Specification                  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape                    | Half-sine                           |
| Acceleration                   | 5g                                  |
| Shock duration                 | 30 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 ... 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 |
|----------------------------------|---------------|

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