

## Fuse modular terminal block - PTC 4-HESI (5X20) - 3270200

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Fuse modular terminal block, Connection method: Push-in connection, Cross section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, AWG: 24 - 10, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 8.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass / ceramics / ..., Mounting type: NS 35/7,5, NS 35/15, Color: black

### Why buy this product

- ✓ 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 facility in the double function shaft, all terminal blocks provide an additional test connection

### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 STK   |
| Minimum order quantity               | 50 STK  |
| GTIN                                 | <br>4 055626 045467 |
| GTIN                                 | 4055626045467   |
| Weight per Piece (excluding packing) | 11.600 g  |
| Custom tariff number                 | 85369095  |
| Country of origin                    | China   |

### Technical data

#### General

|                       |   |
|-----------------------|---|
| Note                  | The current is determined by the fuse used, the voltage by the light indicator. |
| Number of levels      | 1   |
| Number of connections | 2   |
| Nominal cross section | 4 mm <sup>2</sup>   |

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### Technical data

#### General

|  |  |
|--|--|
| Color  | black  |
| Insulating material                              | PA   |
| Flammability rating according to UL 94           | V0   |
| Fuse   | G / 5 x 20   |
| Fuse type  | Glass / ceramics / ...   |
| Rated surge voltage                              | 6 kV   |
| Degree of pollution                              | 3  |
| Overvoltage category                             | III  |
| Insulating material group                        | I  |
| 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 in acc. with standard                 | IEC 60947-7-3  |
| Maximum load current                             | 6.3 A (the current is determined by the fuse used)   |
| Nominal current $I_N$                            | 6.3 A  |
| Nominal voltage $U_N$                            | 500 V  |
| Rated operating voltage                          | 250 V  |
| Open side panel                                  | Yes  |
| Shock protection test specification              | DIN EN 50274 (VDE 0660-514):2002-11  |
| Back of the hand protection                      | guaranteed   |
| Finger protection                                | guaranteed   |
| Oscillation, broadband noise test result         | Test passed  |
| Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2008-03  |
| Test spectrum                                    | Service life test category 2, bogie mounted  |
| Test 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                                     | 3.12 g   |
| Test duration per axis                           | 5 h  |
| Test directions                                  | X-, Y- and Z-axis  |
| Shock test result                                | Test passed  |
| Test specification, shock test                   | DIN EN 50155 (VDE 0115-200):2008-03  |
| Shock form                                       | Half-sine  |
| Acceleration                                     | 30g  |

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### Technical data

#### General

|   |                                   |
|---|-----------------------------------|
| Shock duration  | 18 ms                             |
| Number of shocks per direction  | 3                                 |
| Test directions   | X-, Y- and Z-axis (pos. and neg.) |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C                            |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C                            |
| Static insulating material application in cold                          | -60 °C                            |
| Behavior in fire for rail vehicles (DIN 5510-2)                         | Test passed                       |
| Flame test method (DIN EN 60695-11-10)                                  | V0                                |
| Oxygen index (DIN EN ISO 4589-2)  | >32 %                             |
| NF F16-101, NF F10-102 Class I  | 2                                 |
| NF F16-101, NF F10-102 Class F  | 2                                 |
| 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                            |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg                          |
| 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                       |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 8.2 mm  |
| Length           | 67.8 mm |
| Height NS 35/7,5 | 42.8 mm |
| Height NS 35/15  | 50.3 mm |

#### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 6 mm <sup>2</sup>    |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 10                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |

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## Technical data

### Connection data

|   |                    |
|---|--------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>  |
| Connection method   | Push-in connection |
| Stripping length  | 10 mm ... 12 mm    |
| Internal cylindrical gage   | A4                 |

### Standards and Regulations

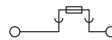
|  |               |
|--|---------------|
| Connection in acc. with standard       | IEC 60947-7-3 |
| Flammability rating according to UL 94 | V0            |

### Environmental Product Compliance

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

## Drawings

Circuit diagram



## Approvals

### Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized


Ex Approvals


### Approval details


|     |  |               |
|-----|--|---------------|
| EAC |  | EAC-Zulassung |
|-----|--|---------------|

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### Approvals

|                            |   |   |              |
|----------------------------|---|---|--------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B   | C   |              |
| mm <sup>2</sup> /AWG/kcmil | 24-10   | 24-10   |              |
| Nominal current IN         | 6.3 A   | 6.3 A   |              |
| Nominal voltage UN         | 300 V   | 300 V   |              |

|                            |   |   |              |
|----------------------------|---|---|--------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
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|------------------|---|---|--|