

## Fuse plug - P-FU 5X20 - 3036806

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Fuse plug, Prior to replacing the cartridge fuse, disconnect the fuse connector from the basic terminal block., nom. voltage: 500 V, nominal current: 6.3 A, connection method: Plug-in connection, fuse type: G / 5 x 20, mounting type: Plug-in mounting, color: black

### Your advantages

- ✓ Large-surface labeling option
- ✓ Test contacts on both sides of the fuse
- ✓ Versions with bipolar error display
- ✓ Can be used for overload/short-circuit protection



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 10 pc                                                                                                   |
| GTIN         | <br>4 017918 943899 |
| GTIN         | 4017918943899                                                                                           |

### Technical data

#### General

|                                        |                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------|
| Note                                   | Prior to replacing the cartridge fuse, disconnect the fuse connector from the basic terminal block. |
| Color                                  | black                                                                                               |
| Insulating material                    | PA                                                                                                  |
| Flammability rating according to UL 94 | V0                                                                                                  |

#### Dimensions

|        |        |
|--------|--------|
| Width  | 6.2 mm |
| Length | 28 mm  |
| Height | 25 mm  |

#### General

|                         |       |
|-------------------------|-------|
| Rated operating voltage | 250 V |
|-------------------------|-------|

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## Technical data

### General

|                                                                         |                                                                       |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Degree of pollution                                                     | 3                                                                     |
| Overvoltage category                                                    | III                                                                   |
| Maximum load current                                                    | 6.3 A (the current is determined by the fuse used)                    |
| Nominal current $I_N$                                                   | 6.3 A (the current is determined by the fuse used)                    |
| Nominal voltage $U_N$                                                   | 500 V (The voltage is determined by the fuse or selected LED display) |
| Fuse                                                                    | G / 5 x 20                                                            |
| 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                                                                |
| 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                                                           |

### Connection data

|                   |                    |
|-------------------|--------------------|
| Connection method | Plug-in connection |
|-------------------|--------------------|

### Ambient conditions

|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Operating temperature                    | -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) |
| Permissible humidity (storage/transport) | 30 % ... 70 %                                                             |
| Ambient temperature (assembly)           | -5 °C ... 70 °C                                                           |
| Ambient temperature (actuation)          | -5 °C ... 70 °C                                                           |

### Environmental Product Compliance

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

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27142001 |
| eCl@ss 11.0   | 27141149 |
| eCl@ss 4.0    | 27142000 |
| eCl@ss 4.1    | 27142000 |
| eCl@ss 5.0    | 27142000 |
| eCl@ss 5.1    | 27141100 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27142000 |
| eCl@ss 7.0 | 27142001 |
| eCl@ss 9.0 | 27142001 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC002018 |
| ETIM 6.0 | EC000035 |
| ETIM 7.0 | EC002018 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121629 |
| UNSPSC 18.0   | 39121629 |
| UNSPSC 19.0   | 39121629 |
| UNSPSC 20.0   | 39121629 |
| UNSPSC 21.0   | 39121600 |

### Approvals

#### Approvals

#### Approvals

CSA / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                     |                                                                                                                                         |       |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
| Nominal voltage UN |                                                                                     | 300 V                                                                                                                                   |       |
| Nominal current IN |                                                                                     | 10 A                                                                                                                                    |       |

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### Approvals

|     |                                                                                   |                          |
|-----|-----------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00714 |
|-----|-----------------------------------------------------------------------------------|--------------------------|

|                    |                                                                                   |                                                                                                                                                       |        |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| cULus 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> | E60425 |
|                    |                                                                                   |                                                                                                                                                       |        |
| Nominal voltage UN |                                                                                   | 300 V                                                                                                                                                 |        |
| Nominal current IN |                                                                                   | 10 A                                                                                                                                                  |        |

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