

# P-FU 5X20 LED 24 820KOHM - Fuse plug

3036825

<https://www.phoenixcontact.com/us/products/3036825>

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Fuse plug, nom. voltage: 24 V, nominal current: 6.3 A, fuse type: G / 5 x 20, color: black



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3036825       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BE29          |
| Product key                          | BE2Z3X        |
| GTIN                                 | 4055626293639 |
| Weight per piece (including packing) | 4.15 g        |
| Weight per piece (excluding packing) | 4 g           |
| Customs tariff number                | 85369095      |
| Country of origin                    | PL            |

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## Technical data

### Notes

|                     |   |
|---------------------|---|
| Notes on operation  | Prior to replacing the cartridge fuse, disconnect the fuse connector from the basic terminal block.   |
| Note on application | A small current was set via the LED display for special applications. The light intensity of the LED is very low due to the low current.<br>Manufacturer's information for the LED: 5 ... 13 mcd at 2 mA. |

### Product properties

|              |      |
|--------------|------|
| Product type | Fuse |
| Potentials   | 1    |

### Insulation characteristics

|                     |   |
|---------------------|---|
| Degree of pollution | 3 |
|---------------------|---|

### Electrical properties

|                   |                     |
|-------------------|---------------------|
| Fuse              | G / 5 x 20          |
| LED voltage range | 12 V DC ... 30 V DC |
| LED current range | 0.31 mA ... 0.95 mA |

### Input data

|                   |                     |
|-------------------|---------------------|
| LED voltage range | 12 V DC ... 30 V DC |
|-------------------|---------------------|

### Connection data

|                      |  |
|----------------------|--|
| Nominal current      | 6.3 A (the current is determined by the fuse used)                   |
| Maximum load current | 6.3 A (the current is determined by the fuse used)                   |
| Nominal voltage      | 24 V (The voltage is determined by the fuse or selected LED display) |

### Material specifications

|  |                  |
|--|------------------|
| Color  | black (RAL 9005) |
| Flammability rating according to UL 94                           | V0               |
| 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           |

### Environmental and real-life conditions

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## 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 %  |

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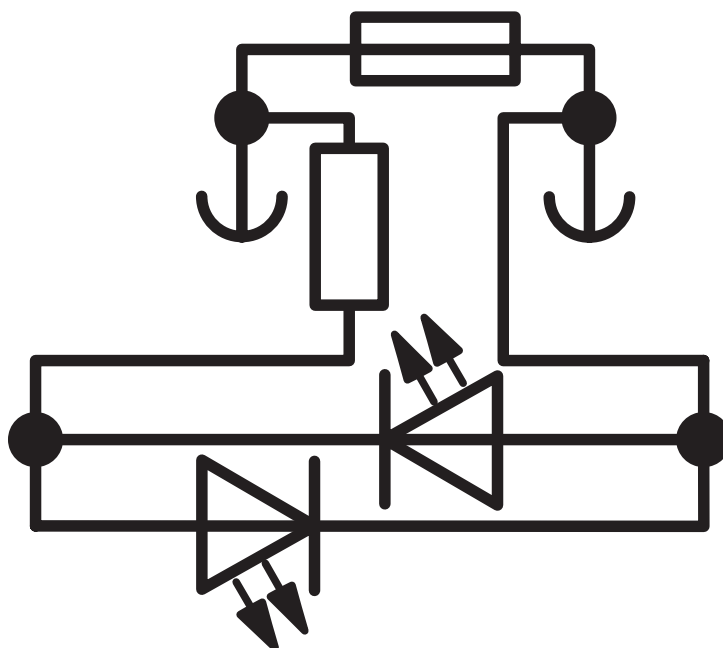
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## Drawings

Circuit diagram



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## Approvals

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**EAC**

Approval ID: RU C-DE.BL08.B.00714

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250305 |
| ECLASS-15.0 | 27250305 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002018 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121600 |
|-------------|----------|

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## 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% |
|-------------------------------------|----------------------------|

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