

P-FU 5X20 LED 24-EX - Fuse plug

3036821

<https://www.phoenixcontact.com/us/products/3036821>

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



Your advantages

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3036821 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BE29 |
| Product key | BE2Z3X |
| GTIN | 4046356919227 |
| Weight per piece (including packing) | 4.2 g |
| Weight per piece (excluding packing) | 4.14 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. |
|--------------------|---|

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) |

Dimensions

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

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 |

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| | |
|--|--------|
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
|--|--------|

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 % |

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Drawings

Application drawing



Fuse terminal blocks in interconnected arrangement,
block consisting of 5 fuse terminal blocks

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Application drawing



Fuse terminal block in single arrangement,
block consisting of one fuse terminal block and 4 feed-through terminal blocks

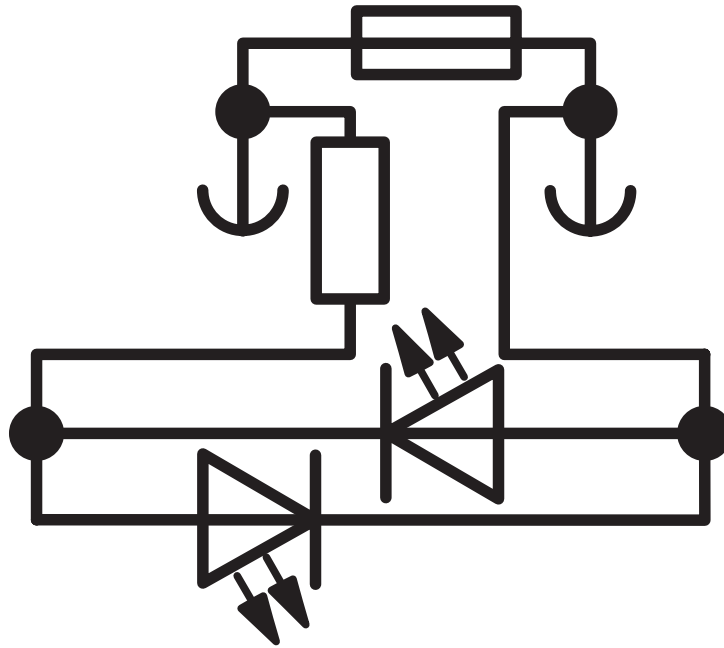
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Circuit diagram



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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3036821>


|  CSA Approval ID: 158887 | | | | |
|---|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 300 V | 10 A | - | - |


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

|  cUL Recognized Approval ID: E192998 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  EAC Ex Approval ID: RU C-DE.Ax07.B.03227 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

|  UL Recognized Approval ID: E192998 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

|  CCC Approval ID: 2020322313000632 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  UKCA-EX Approval ID: UL22UKEX2452U | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

|  EAC Ex Approval ID: KZ 7500525010101950 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

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Classifications

ECLASS

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

ETIM

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|-----------|----------|
| 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% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.021 kg CO2e |
|---------|---------------|

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