

# P-FU 5X20 LED 60-5 - Fuse plug

3209251

<https://www.phoenixcontact.com/us/products/3209251>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Fuse plug, nom. voltage: 250 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

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3209251       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BE29          |
| Product key                          | BE2Z3X        |
| GTIN                                 | 4046356548359 |
| Weight per piece (including packing) | 5.39 g        |
| Weight per piece (excluding packing) | 5 g           |
| Customs tariff number                | 85369095      |
| Country of origin                    | CN            |

# P-FU 5X20 LED 60-5 - Fuse plug



3209251

<https://www.phoenixcontact.com/us/products/3209251>

## Technical data

### Notes

|                    |   |
|--------------------|---|
| General            | Suitable for terminal blocks with a width of 5.2 mm and above with TG zone                          |
| Notes on operation | Prior to replacing the cartridge fuse, disconnect the fuse connector from the basic terminal block. |

### Product properties

|              |        |
|--------------|--------|
| Product type | Fuse   |
| Pitch        | 5.2 mm |
| Potentials   | 1      |

### Insulation characteristics

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

### Electrical properties

|                   |                           |
|-------------------|---------------------------|
| Fuse              | G / 5 x 20                |
| LED voltage range | 30 V AC/DC ... 60 V AC/DC |
| LED current range | 0.36 mA ... 0.95 mA       |

### Input data

|                   |                           |
|-------------------|---------------------------|
| LED voltage range | 30 V AC/DC ... 60 V AC/DC |
|-------------------|---------------------------|

### Connection data

|                      |  |
|----------------------|--|
| Connection method    | Plug-in connection   |
| 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      | 250 V (The current is determined by the fuse used, the voltage by the fuse or selected LED display.) |

### Dimensions

|        |         |
|--------|---------|
| Width  | 6.2 mm  |
| Height | 25 mm   |
| Depth  | 57.7 mm |
| Length | 25 mm   |
| Pitch  | 5.2 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      |

# P-FU 5X20 LED 60-5 - Fuse plug



3209251

<https://www.phoenixcontact.com/us/products/3209251>

|   |             |
|---|-------------|
| 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

### 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 %  |

## Mounting

|               |                  |
|---------------|------------------|
| Mounting type | Plug-in mounting |
|---------------|------------------|

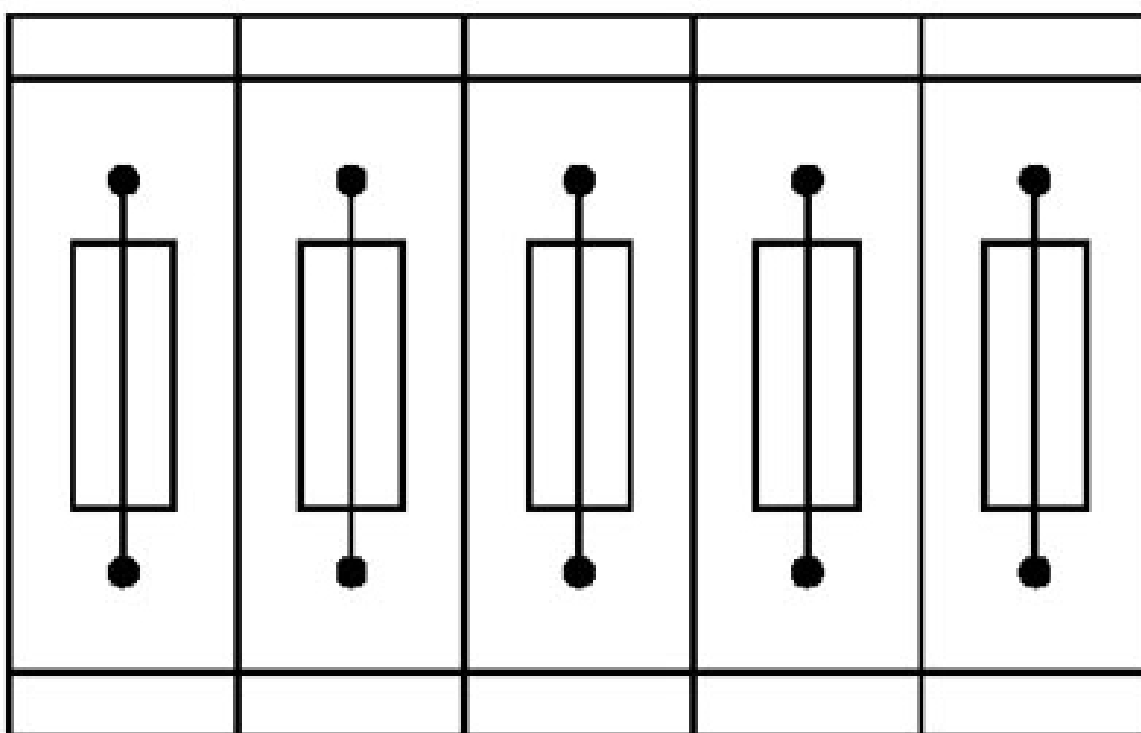
# P-FU 5X20 LED 60-5 - Fuse plug

3209251

<https://www.phoenixcontact.com/us/products/3209251>

## Drawings

### Application drawing



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

# P-FU 5X20 LED 60-5 - Fuse plug

3209251

<https://www.phoenixcontact.com/us/products/3209251>

## Application drawing



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

# P-FU 5X20 LED 60-5 - Fuse plug

3209251

<https://www.phoenixcontact.com/us/products/3209251>



Application drawing



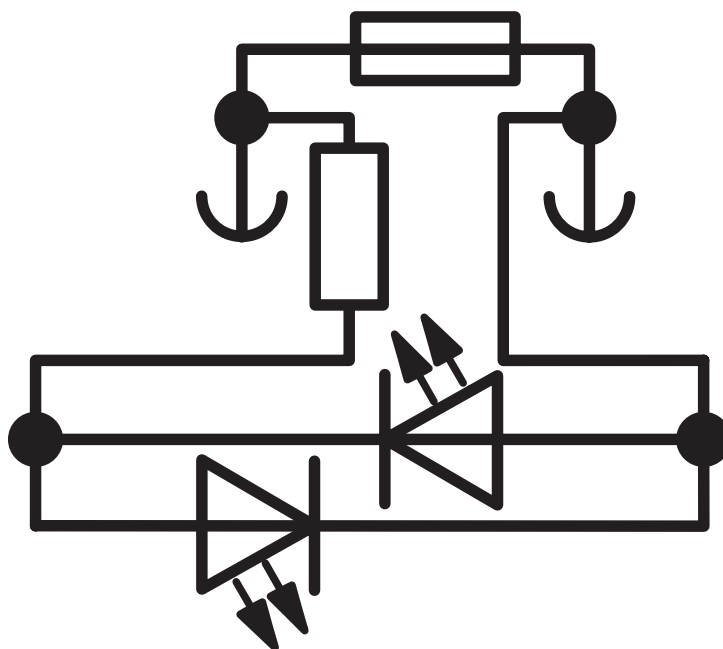
# P-FU 5X20 LED 60-5 - Fuse plug

3209251

<https://www.phoenixcontact.com/us/products/3209251>



Circuit diagram



# P-FU 5X20 LED 60-5 - Fuse plug





3209251


<https://www.phoenixcontact.com/us/products/3209251>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3209251>

|  <b>CSA</b><br>Approval ID: 158887 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine   |                       |                       |                   |                             |
|   | 300 V                 | 10 A                  | -                 | -                           |

|  <b>EAC</b><br>Approval ID: RU C-DE.BL08.B.00714 |  |  |  |  |
|---|--|--|--|--|
|---|--|--|--|--|

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 300 V                 | 10 A                  | -                 | -                           |

# P-FU 5X20 LED 60-5 - Fuse plug



3209251

<https://www.phoenixcontact.com/us/products/3209251>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# P-FU 5X20 LED 60-5 - Fuse plug



3209251

<https://www.phoenixcontact.com/us/products/3209251>

## 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 | 0.081 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)