

# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block



1582068

<https://www.phoenixcontact.com/sg/products/1582068>

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 modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 60 V, nominal current: 6.3 A, connection method: Push-in connection, 1 level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup>- 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: dark gray

## Your advantages

- The compact design and front connection enable wiring in a confined space
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1582068                        |
| Packing unit                         | 50 pc                          |
| Minimum order quantity               | 100 pc                         |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | *****                          |
| Product key                          | BEL234                         |
| GTIN                                 | 4067923074712                  |
| Weight per piece (including packing) | 10.6 g                         |
| Weight per piece (excluding packing) | 10.6 g                         |
| Customs tariff number                | 85369095                       |
| Country of origin                    | CN                             |

# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block



1582068

<https://www.phoenixcontact.com/sg/products/1582068>

## Technical data

### Notes

|         |   |
|---------|---|
| General | The current is determined by the fuse used, the voltage by the selected LED.<br>If the fuse is faulty, the downstream circuit will not be disconnected. |
|---------|---|

### Product properties

|                       |                     |
|-----------------------|---------------------|
| Product type          | Fuse terminal block |
| Number of connections | 2                   |
| Number of rows        | 1                   |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Electrical properties

|   |  |
|---|--|
| Fuse type                                       | Glass / ceramics / ...   |
| Rated surge voltage                             | 4 kV   |
| Maximum power dissipation for nominal condition | 1.02 W   |
| Fuse  | G / 5 x 20   |
| LED voltage range                               | 30 V AC/DC ... 60 V AC/DC  |
| LED current range                               | 0.4 mA ... 0.86 mA   |
| Maximum power dissipation                       | max. 1.6 W (with single arrangement of the fuse terminal block in the event of overload)<br>max. 1.6 W (With interconnected arrangement of several fuse terminal blocks in the event of overload)<br>max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit)<br>max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit) |

### Input data

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

### Connection data

|                                 |                   |
|---------------------------------|-------------------|
| Number of connections per level | 2                 |
| Nominal cross section           | 4 mm <sup>2</sup> |

#### 1 level

|                                  |   |
|----------------------------------|---|
| Stripping length                 | 10 mm ... 12 mm                           |
| Internal cylindrical gage        | A4  |
| Connection in acc. with standard | IEC 60947-7-3                             |
| Conductor cross section rigid    | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Cross section AWG                | 20 ... 12 (converted acc. to IEC)         |
| Conductor cross section flexible | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |

# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block



1582068

<https://www.phoenixcontact.com/sg/products/1582068>

|   |  |
|---|--|
| Conductor cross section, flexible [AWG]   | 20 ... 12 (converted acc. to IEC)                  |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>          |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>          |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>          |
| Nominal current   | 6.3 A  |
| Maximum load current  | 6.3 A (the current is determined by the fuse used) |
| Nominal voltage   | 60 V   |
| Nominal cross section   | 4 mm <sup>2</sup>                                  |

## 1 level Connection cross sections directly pluggable

|   |   |
|---|---|
| Conductor cross section rigid                                     | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Flexible conductor cross section (ferrule with plastic sleeve)    | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 8.2 mm  |
| End cover width    | 2.2 mm  |
| Height             | 67.8 mm |
| Depth              | 35.3 mm |
| Depth on NS 35/7,5 | 42.8 mm |
| Depth on NS 35/15  | 50.3 mm |

## Material specifications

|  |                           |
|--|---------------------------|
| Color                                  | traffic grey B (RAL 7043) |
| Flammability rating according to UL 94 | V0                        |
| Insulating material group              | I                         |
| Insulating material                    | PA                        |

## Mechanical properties

### Mechanical data

|                 |     |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

## Environmental and real-life conditions

### Oscillation/broadband noise

|                        |  |
|------------------------|--|
| Specification          | DIN EN 50155 (VDE 0115-200):2008-03            |
| Spectrum               | Long life test category 2, bogie-mounted       |
| Frequency              | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level              | 6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz      |
| Acceleration           | 3.12g  |
| Test duration per axis | 5 h  |
| Test directions        | X-, Y- and Z-axis                              |
| Result                 | Test passed                                    |

### Shocks

# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block



1582068

<https://www.phoenixcontact.com/sg/products/1582068>

|                                |                                     |
|--------------------------------|-------------------------------------|
| Specification                  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape                    | Half-sine                           |
| Acceleration                   | 30g                                 |
| Shock duration                 | 18 ms                               |
| Number of shocks per direction | 3                                   |
| Test directions                | X-, Y- and Z-axis (pos. and neg.)   |
| Result                         | Test passed                         |

## Ambient conditions

|  |  |
|--|--|
| Ambient temperature (operation)          | -50 °C ... 105 °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 %  |

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-3 |
|----------------------------------|---------------|

## Mounting

|               |           |
|---------------|-----------|
| Mounting type | NS 35/7,5 |
|               | NS 35/15  |

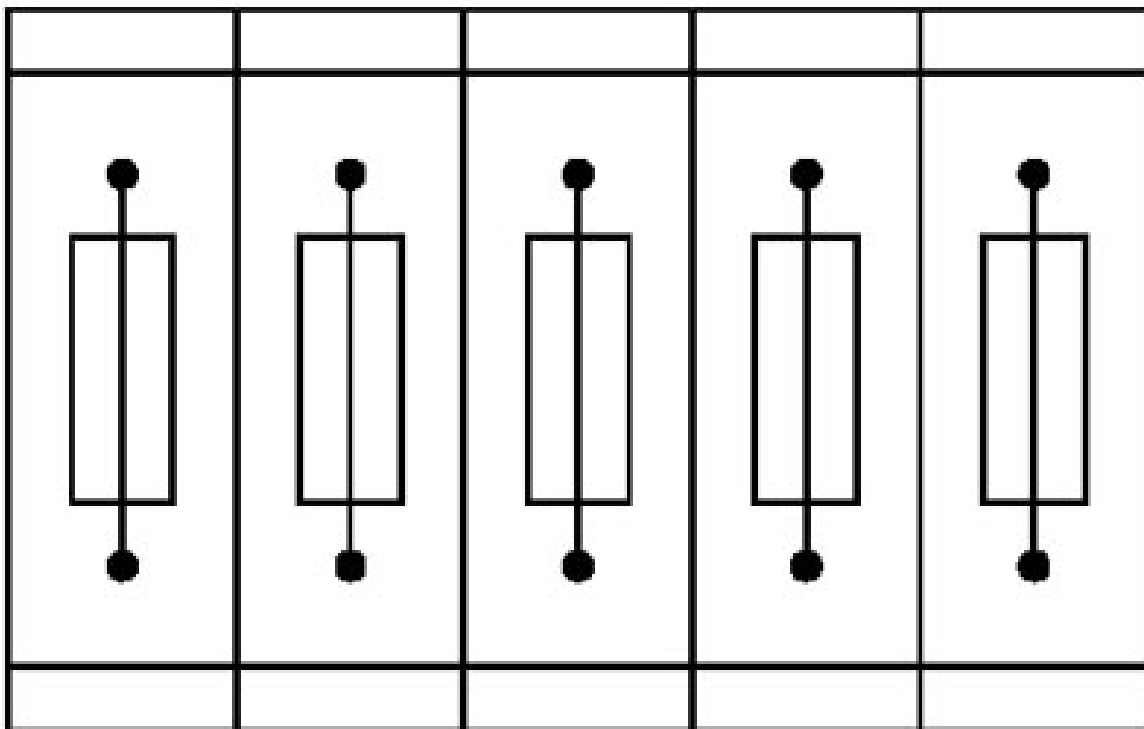
# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block

1582068

<https://www.phoenixcontact.com/sg/products/1582068>

## Drawings

### Application drawing



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

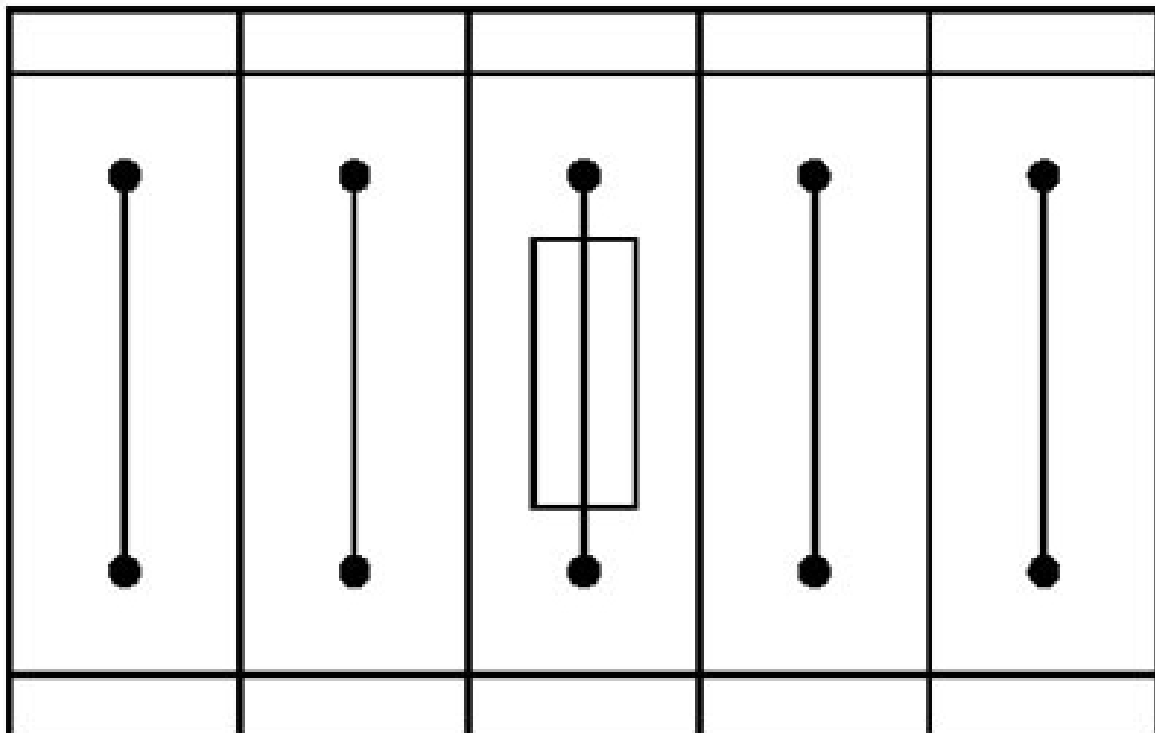
# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block



1582068

<https://www.phoenixcontact.com/sg/products/1582068>

Application drawing



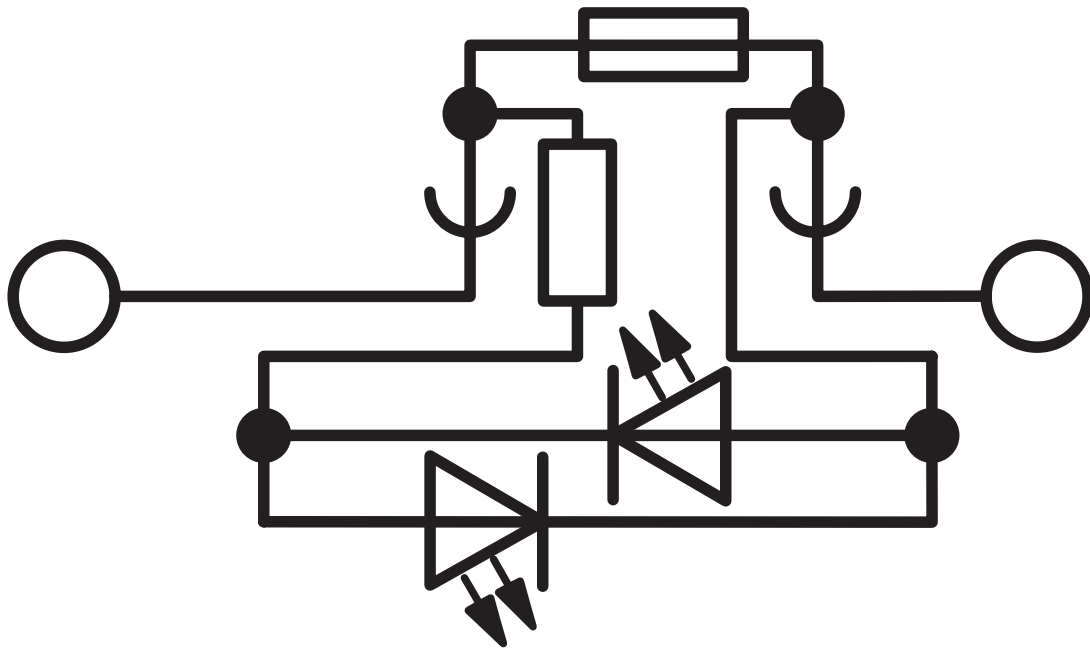
Fuse terminal block in single arrangement,  
block consisting of one fuse terminal block and 4 feed-through terminal blocks

# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block

1582068

<https://www.phoenixcontact.com/sg/products/1582068>

Circuit diagram



# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block




1582068

<https://www.phoenixcontact.com/sg/products/1582068>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1582068>

|  <b>cULus Recognized</b><br>Approval ID: E60425 |  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|--|--|-----------------------|-----------------------|-------------------|-----------------------------|
| Use group B  |  | 300 V                 | 6.3 A                 | 24 - 10           | -                           |
| Use group C  |  | 300 V                 | 6.3 A                 | 24 - 10           | -                           |



# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block



1582068

<https://www.phoenixcontact.com/sg/products/1582068>

## Classifications

### ECLASS

ECLASS-13.0

27250113

### ETIM

ETIM 9.0

EC000899

# TBPC 4-HESILED 60 (5X20) - Fuse modular terminal block



1582068

<https://www.phoenixcontact.com/sg/products/1582068>

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

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.  
105 Eunos Avenue 3, #04-00  
Singapore 409836  
+65 6228 4900  
[marketing@phoenixcontact.com.sg](mailto:marketing@phoenixcontact.com.sg)