

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

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: 500 V, nominal current: 28 A, connection method: Push-in connection, 1 level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, connection method: Push-in connection, 2nd level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: black

## Your advantages

- Time-saving conductor connection thanks to tool-free direct-connection technology
- Convenient plugging with lower insertion force
- Easy integration and replacement of fuses with the lever element
- High conductor pull-out forces due to the spring design
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories
- Easy checking of the fuses with optical signal unit
- Optimized for manual and automated wiring

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3211892       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE2234        |
| Product key                          | BE2234        |
| GTIN                                 | 4055626380575 |
| Weight per piece (including packing) | 24.26 g       |
| Weight per piece (excluding packing) | 24 g          |
| Customs tariff number                | 85369095      |
| Country of origin                    | CN            |

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

## Technical data

### Notes

|                    |                                                                                 |
|--------------------|---------------------------------------------------------------------------------|
| Order information: | Fuse-link not supplied as standard                                              |
| General            | The current is determined by the fuse used, the voltage by the light indicator. |

### Product properties

|                       |                     |
|-----------------------|---------------------|
| Product type          | Fuse terminal block |
| Number of connections | 4                   |
| Number of rows        | 2                   |
| Potentials            | 2                   |

### Insulation characteristics

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

### Electrical properties

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fuse type                                       | Glass / ceramics / ...                                                                                                                                                                                                                                                                                                                                                                                             |
| Rated surge voltage                             | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                               |
| Maximum power dissipation for nominal condition | 1.02 W                                                                                                                                                                                                                                                                                                                                                                                                             |
| Fuse                                            | G / 5 x 20                                                                                                                                                                                                                                                                                                                                                                                                         |
| LED voltage range                               | 110 V AC/DC ... 250 V AC/DC                                                                                                                                                                                                                                                                                                                                                                                        |
| LED current range                               | 0.41 mA ... 0.96 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 | 110 V AC/DC ... 250 V AC/DC |
|-------------------|-----------------------------|

### Connection data

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

#### 1 level

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Connection method                | Push-in connection                        |
| Stripping length                 | 10 mm ... 12 mm                           |
| Internal cylindrical gage        | A4                                        |
| Connection in acc. with standard | IEC 60947-7-1                             |
| Conductor cross-section rigid    | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup> |

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

|                                                                                                                   |                                          |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Cross section AWG                                                                                                 | 24 ... 10 (converted acc. to IEC)        |
| Conductor cross-section flexible                                                                                  | 0.2 mm² ... 6 mm²                        |
| Conductor cross-section, flexible [AWG]                                                                           | 24 ... 10 (converted acc. to IEC)        |
| Conductor cross-section flexible (ferrule without plastic sleeve)                                                 | 0.25 mm² ... 4 mm²                       |
| Flexible conductor cross-section (ferrule with plastic sleeve)                                                    | 0.25 mm² ... 4 mm²                       |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.5 mm² ... 1 mm²                        |
| Nominal cross section                                                                                             | 4 mm²                                    |
| Nominal current                                                                                                   | 28 A                                     |
| Maximum load current                                                                                              | 32 A (bei 6 mm² Leiterquerschnitt starr) |
| Nominal voltage                                                                                                   | 500 V                                    |

## 2nd level

|                                                                                           |                                                    |
|-------------------------------------------------------------------------------------------|----------------------------------------------------|
| Connection method                                                                         | Push-in connection                                 |
| Stripping length                                                                          | 10 mm ... 12 mm                                    |
| Internal cylindrical gage                                                                 | A4                                                 |
| Connection in acc. with standard                                                          | IEC 60947-7-3                                      |
| Conductor cross-section rigid                                                             | 0.2 mm² ... 6 mm²                                  |
| Cross section AWG                                                                         | 24 ... 10 (converted acc. to IEC)                  |
| Conductor cross-section flexible                                                          | 0.2 mm² ... 4 mm²                                  |
| Conductor cross-section, flexible [AWG]                                                   | 24 ... 12 (converted acc. to IEC)                  |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.25 mm² ... 4 mm²                                 |
| Flexible conductor cross-section (ferrule with plastic sleeve)                            | 0.25 mm² ... 4 mm²                                 |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 1 mm²                                  |
| Nominal cross section                                                                     | 4 mm²                                              |
| Nominal current                                                                           | 6.3 A                                              |
| Maximum load current                                                                      | 6.3 A (the current is determined by the fuse used) |
| Nominal voltage                                                                           | 500 V                                              |

## 1 level Connection cross sections directly pluggable

|                                                                   |                                   |
|-------------------------------------------------------------------|-----------------------------------|
| Conductor cross-section rigid                                     | 0.5 mm² ... 6 mm²                 |
| Conductor cross-section, rigid [AWG]                              | 20 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm² ... 4 mm²                 |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 0.5 mm² ... 4 mm²                 |

## 2nd level Connection cross sections directly pluggable

|                                                                   |                                   |
|-------------------------------------------------------------------|-----------------------------------|
| Conductor cross-section rigid                                     | 0.5 mm² ... 6 mm²                 |
| Conductor cross-section, rigid [AWG]                              | 20 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm² ... 4 mm²                 |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 0.5 mm² ... 4 mm²                 |

## Dimensions

|                 |          |
|-----------------|----------|
| Width           | 6.2 mm   |
| End cover width | 2.2 mm   |
| Height          | 102.9 mm |

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

|                    |         |
|--------------------|---------|
| Depth on NS 35/7,5 | 75.5 mm |
| Depth on NS 35/15  | 83 mm   |

## Material specifications

|                                                                         |                  |
|-------------------------------------------------------------------------|------------------|
| Color                                                                   | black (RAL 9005) |
| Flammability rating according to UL 94                                  | V0               |
| Insulating material group                                               | I                |
| Insulating material                                                     | PA               |
| Static insulating material application in cold                          | -60 °C           |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °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      |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg         |
| 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           |

## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Environmental and real-life conditions

### Oscillation/broadband noise

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Specification          | DIN EN 50155 (VDE 0115-200):2008-03              |
| Spectrum               | Long life test category 1, class B, body mounted |
| Frequency              | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$   |
| ASD level              | 0.964 (m/s <sup>2</sup> ) <sup>2</sup> /Hz       |
| Acceleration           | 0.58g                                            |
| Test duration per axis | 5 h                                              |
| Test directions        | X-, Y- and Z-axis                                |
| Result                 | Test passed                                      |

### Shocks

|                                |                                     |
|--------------------------------|-------------------------------------|
| Specification                  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape                    | Half-sine                           |
| Acceleration                   | 5g                                  |
| Shock duration                 | 30 ms                               |
| Number of shocks per direction | 3                                   |
| Test directions                | X-, Y- and Z-axis (pos. and neg.)   |
| Result                         | Test passed                         |

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

## 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 %                                                                                                                |

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|                                  | IEC 60947-7-3 |

## Mounting

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

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block

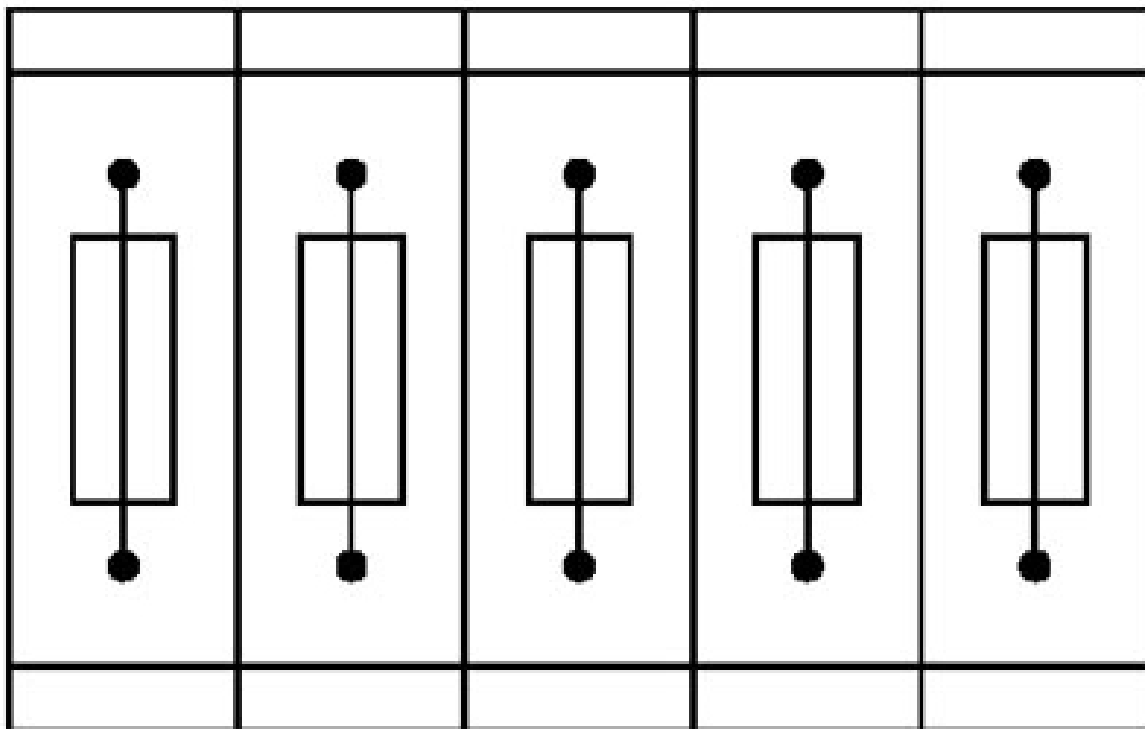


3211892

<https://www.phoenixcontact.com/gb/products/3211892>

## Drawings

Application drawing



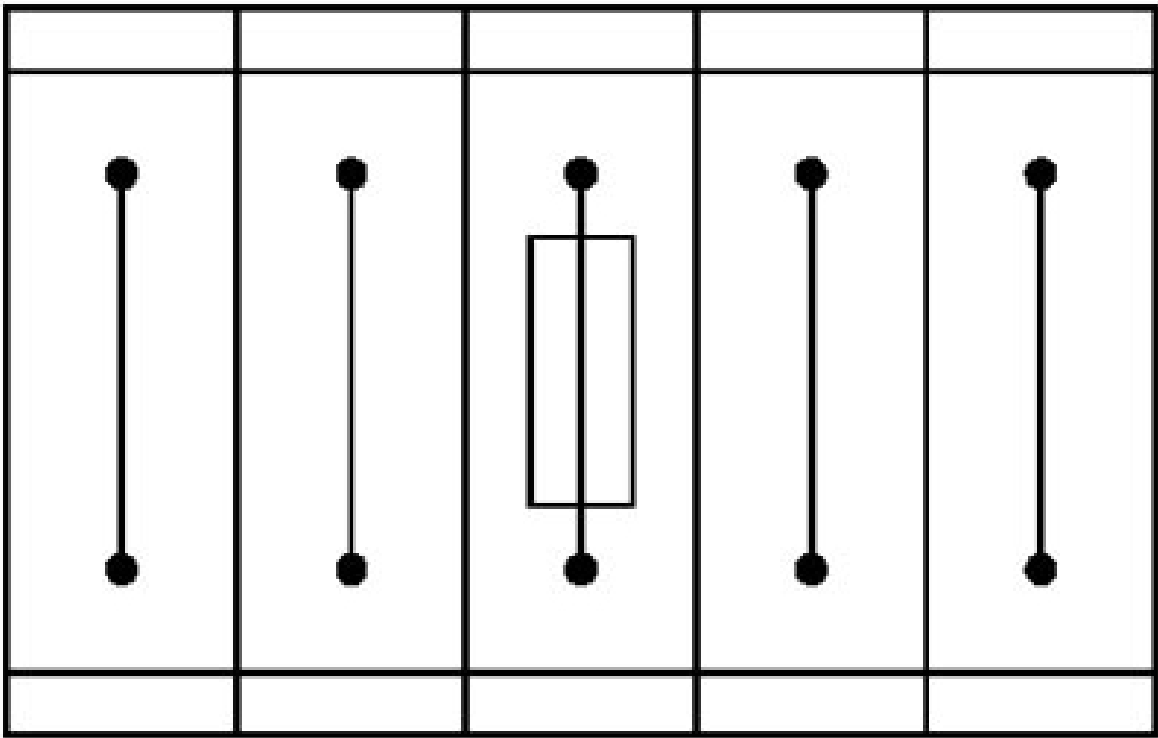
Fuse terminal blocks in interconnected arrangement,  
block consisting of 5 fuse terminal blocks

PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892  
<https://www.phoenixcontact.com/gb/products/3211892>

Application drawing



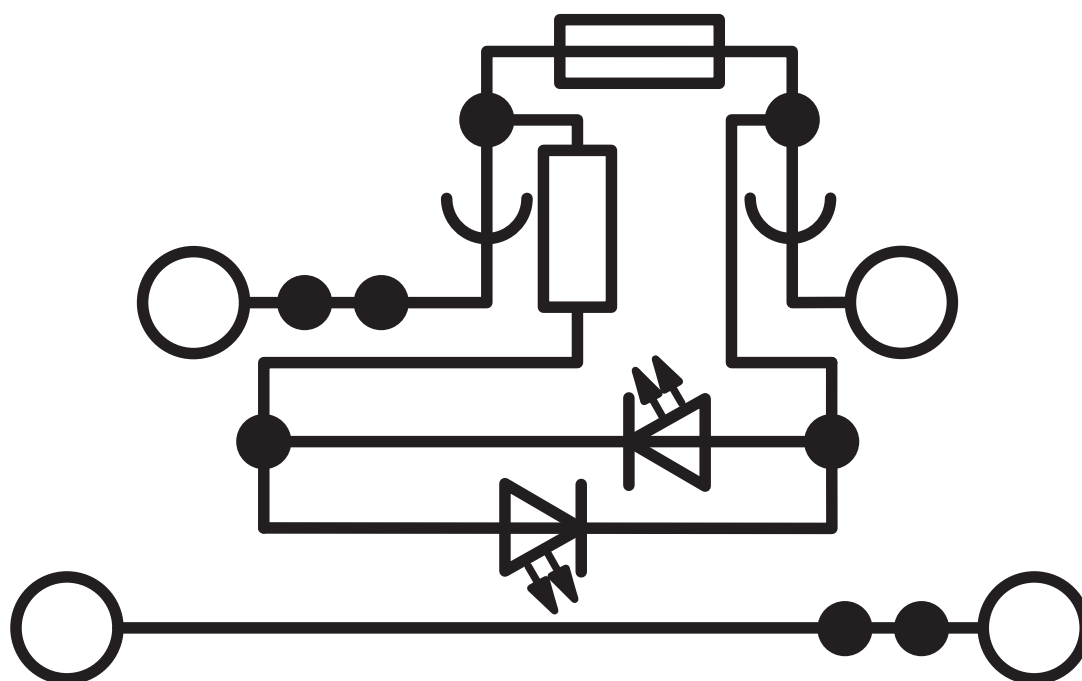
Fuse terminal block in single arrangement,  
block consisting of one fuse terminal block and 4 feed-through terminal blocks

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block

3211892

<https://www.phoenixcontact.com/gb/products/3211892>

Circuit diagram



# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/3211892>



**CSA**

Approval ID: 158887



**EAC**

Approval ID: RU C-DE.BL08.B.00644



**cULus Recognized**

Approval ID: E60425

|             | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------------|-----------------------|-----------------------|-------------------|-----------------------------|
| B           |                       |                       |                   |                             |
| upper level | 300 V                 | 6.3 A                 | 24 - 10           | -                           |
| lower level | 300 V                 | 20 A                  | 24 - 10           | -                           |
| C           |                       |                       |                   |                             |
| upper level | 300 V                 | 6.3 A                 | 24 - 10           | -                           |
| lower level | 300 V                 | 20 A                  | 24 - 10           | -                           |
| D           |                       |                       |                   |                             |
|             | 600 V                 | 5 A                   | 24 - 10           | -                           |



**CSA**

Approval ID: 13631

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250113 |
| ECLASS-15.0 | 27250113 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000899 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

# PTTB 4-HESILED 250 (5X20) - Fuse modular terminal block



3211892

<https://www.phoenixcontact.com/gb/products/3211892>

## 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 | 0.293 kg CO2e |
|---------|---------------|

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

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)