

UT 4-HESILED 24 (5X20) - Fuse modular terminal block



3046090

<https://www.phoenixcontact.com/us/products/3046090>

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: 24 V, nominal current: 6.3 A, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm²- 6 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- Globally recognized: Internationally proven screw connection
- Maintenance-free and vibration-resistant thanks to the patented Reakdyn principle
- Easy integration and replacement of fuses with the lever element
- Easy checking of the fuses with optical signal unit
- Long-term stable connections with the use of high-quality materials
- Long-term stable connections with the use of high-quality materials
- Maximum efficiency in the smallest space - thanks to integrated level bridging, the connections are connected across levels

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3046090 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE01 |
| Product key | BE1134 |
| GTIN | 4017918956585 |
| Weight per piece (including packing) | 17.13 g |
| Weight per piece (excluding packing) | 16.4 g |
| Customs tariff number | 85369095 |
| Country of origin | DE |

UT 4-HESILED 24 (5X20) - Fuse modular terminal block



3046090

<https://www.phoenixcontact.com/us/products/3046090>

Technical data

Notes

| | |
|--------------------|---|
| Order information: | Fuse-link not supplied as standard |
| General | The current is determined by the fuse used, the voltage by the selected LED. If the fuse is faulty, the downstream circuit will not be disconnected. |

Product properties

| | |
|-----------------------|---------------------|
| Product type | Fuse terminal block |
| Product family | UT |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 1 |

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 | 12 V AC/DC ... 30 V AC/DC |
| LED current range | 0.31 mA ... 0.95 mA |
| Maximum power dissipation | max. 1.6 W (with single arrangement of the fuse terminal block in the event of overload) |
| | max. 1.6 W (With interconnected arrangement of several fuse terminal blocks in the event of overload) |
| | max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit) |
| | max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit) |

Input data

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

Connection data

| | |
|---------------------------------|-------------------|
| Number of connections per level | 2 |
| Nominal cross section | 4 mm ² |
| Connection method | Screw connection |

UT 4-HESILED 24 (5X20) - Fuse modular terminal block



3046090

<https://www.phoenixcontact.com/us/products/3046090>

| | |
|---|--|
| Screw thread | M3 |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 9 mm |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 60947-7-3 |
| Conductor cross-section rigid | 0.14 mm ² ... 6 mm ² |
| Cross section AWG | 26 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.14 mm ² ... 6 mm ² |
| Conductor cross-section, flexible [AWG] | 26 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible ultrasound-compressed | 0.34 mm ² ... 6 mm ² |
| Conductor cross-section, flexible [AWG] ultrasound-compressed | 22 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 4 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| 2 conductors with same cross section, rigid | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |
| Nominal cross section | 4 mm ² |
| Nominal current | 6.3 A |
| Maximum load current | 6.3 A (the current is determined by the fuse used) |
| Nominal voltage | 24 V |

Dimensions

| | |
|--------------------|---------|
| Width | 6.2 mm |
| Height | 57.8 mm |
| Depth on NS 35/7,5 | 75.6 mm |
| Depth on NS 35/15 | 83.1 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)) | 125 °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) | 27,5 MJ/kg |
| Surface flammability NFPA 130 (ASTM E 162) | passed |

UT 4-HESILED 24 (5X20) - Fuse modular terminal block



3046090

<https://www.phoenixcontact.com/us/products/3046090>

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

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 60947-7-3 |
|----------------------------------|---------------|

Mounting

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

UT 4-HESILED 24 (5X20) - Fuse modular terminal block

3046090

<https://www.phoenixcontact.com/us/products/3046090>

Drawings

Application drawing



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

UT 4-HESILED 24 (5X20) - Fuse modular terminal block

3046090

<https://www.phoenixcontact.com/us/products/3046090>

Application drawing



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

UT 4-HESILED 24 (5X20) - Fuse modular terminal block

3046090

<https://www.phoenixcontact.com/us/products/3046090>

Circuit diagram



UT 4-HESILED 24 (5X20) - Fuse modular terminal block



3046090

<https://www.phoenixcontact.com/us/products/3046090>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3046090>

| |
|---------------------------------------|
| DNV Approval ID: TAE00001S9 |
|---------------------------------------|

| | | | | |
|---|------------------------|-----------------------|-------------------|----------------------|
| CB Scheme Approval ID: NL-65056 | IECEE CB Scheme | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 500 V | 6.3 A | - | 0.14 - 4 |

| | | | | |
|---|------------|--|--|--|
| EAC Approval ID: KZ7500651131219505 | EAC | | | |
|---|------------|--|--|--|

| | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| KEMA-KEUR Approval ID: 71-113330 | KEMA-KEUR | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 500 V | 6.3 A | - | 0.14 - 4 |

| | | | | |
|--|-----------|--|--|--|
| LR Approval ID: LR24100022TA | LR | | | |
|--|-----------|--|--|--|

| | | | | |
|--|-------------------------|-----------------------|-------------------|----------------------|
| cULus Recognized Approval ID: E60425 | cULus Recognized | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | | | | |
| | 600 V | 10 A | 26 - 10 | - |
| Multi-conductor connection | 600 V | 10 A | 26 - 14 | - |
| C | | | | |
| | 600 V | 10 A | 26 - 10 | - |
| Multi-conductor connection | 600 V | 10 A | 26 - 14 | - |

UT 4-HESILED 24 (5X20) - Fuse modular terminal block



3046090

<https://www.phoenixcontact.com/us/products/3046090>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

UT 4-HESILED 24 (5X20) - Fuse modular terminal block



3046090

<https://www.phoenixcontact.com/us/products/3046090>

Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | c700883e-4d39-4bfe-b84f-a47e07f97562 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.105 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