

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

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: Quick connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.5 mm²- 2.5 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Your advantages

- Fast conductor connection thanks to the elimination of conductor pretreatment
- Large-area, gas-tight contact thanks to the automated cutting of the wire insulation
- Easy integration and replacement of fuses with the lever element
- Easy checking of the fuses with optical signal unit
- High contact quality and vibration resistance thanks to the use of high-quality spring contact material
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3050390 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE03 |
| Product key | BE3134 |
| GTIN | 4046356056236 |
| Weight per piece (including packing) | 17.956 g |
| Weight per piece (excluding packing) | 17.956 g |
| Customs tariff number | 85369095 |
| Country of origin | CN |

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

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 |
| 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 | 4 kV |
| Maximum power dissipation for nominal condition | 0.77 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) |
| | 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 | 30 V AC/DC ... 60 V AC/DC |
|-------------------|---------------------------|

Connection data

| | |
|--|---------------------|
| Number of connections per level | 2 |
| Frequency of connections with the same cross section | 100.00 |
| Nominal cross section | 2.5 mm ² |

1 level

| | |
|-------------------|------------------|
| Connection method | Quick connection |
|-------------------|------------------|

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

| | |
|---|--|
| Connection in acc. with standard | IEC 60947-7-3 |
| Conductor cross-section rigid | 0.5 mm ² ... 2.5 mm ² |
| Cross section AWG | 20 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.5 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible [AWG] | 20 ... 14 (converted acc. to IEC) |
| Nominal cross section | 1.5 mm ² |
| Nominal current | 6.3 A |
| Maximum load current | 6.3 A (the current is determined by the fuse used) |
| Nominal voltage | 60 V |

Dimensions

| | |
|--------------------|---------|
| Width | 6.2 mm |
| End cover width | 2.2 mm |
| Height | 82.5 mm |
| Depth on NS 35/7,5 | 64.9 mm |
| Depth on NS 35/15 | 72.4 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 |

Cable/line

| | |
|--------------------------------|--------|
| Wire diameter incl. insulation | 3.8 mm |
|--------------------------------|--------|

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

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

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

Drawings

Application drawing



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

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block

3050390

<https://www.phoenixcontact.com/us/products/3050390>

Application drawing



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

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block

3050390

<https://www.phoenixcontact.com/us/products/3050390>

Circuit diagram



QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block




3050390

<https://www.phoenixcontact.com/us/products/3050390>


Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3050390>


|  CSA Approval ID: 158887 | | | | |
|---|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | 300 V | 10 A | 20 - 14 | - |
| C | 300 V | 10 A | 20 - 14 | - |

|  IECEE CB Scheme Approval ID: NL-65057 | | | | |
|---|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | 500 V | 6.3 A | - | 0.5 - 2.5 |

|  EAC Approval ID: RU C-DE.BL08.B.00539 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | 300 V | 15 A | 20 - 14 | - |
| C | 300 V | 15 A | 20 - 14 | - |

|  KEMA-KEUR Approval ID: 71-113330 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | 500 V | 6.3 A | - | 0.5 - 2.5 |

|  ClassNK Approval ID: 09 ME 139 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

| ABS Approval ID: 22-2196825-PDA | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

DNV

Approval ID: TAE000014H

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

QTC 2,5 HESILED 60 (5X20) - Fuse modular terminal block



3050390

<https://www.phoenixcontact.com/us/products/3050390>

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 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