

DT 6/2,5-DREHSILED 24 (5X20) - Fuse modular terminal block



3034251

<https://www.phoenixcontact.com/us/products/3034251>

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Fuse terminal block for cartridge fuse insert, cross section: 0.5-10 mm², AWG: 20-8, width: 12.2 mm, color: Black

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3034251 |
| Packing unit | 25 pc |
| Minimum order quantity | 25 pc |
| Sales key | BE22 |
| Product key | BE2235 |
| GTIN | 4046356052801 |
| Weight per piece (including packing) | 26.311 g |
| Weight per piece (excluding packing) | 24.733 g |
| Customs tariff number | 85369095 |
| Country of origin | PL |

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Technical data

Notes

| | |
|--------------------|------------------------------------|
| Order information: | Fuse-link not supplied as standard |
|--------------------|------------------------------------|

Product properties

| | |
|-----------------------|---------------------|
| Product type | Fuse terminal block |
| 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 | 0.77 W |
| Fuse | G / 5 x 20 |
| LED voltage range | 12 V AC/DC ... 30 V AC/DC |
| LED current range | 1 mA ... 2.5 mA |

Input data

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

Connection data

| | |
|---------------------------------|---------------------|
| Number of connections per level | 2 |
| Nominal cross section | 2.5 mm ² |

Level 1 above 1

| | |
|---|---|
| Connection method | Leg spring connection |
| Stripping length | 12 mm |
| Internal cylindrical gage | A5 |
| Connection in acc. with standard | IEC 60947-7-3 |
| Conductor cross-section rigid | 0.5 mm ² ... 10 mm ² |
| Cross section AWG | 20 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.5 mm ² ... 6 mm ² |
| Conductor cross-section, flexible [AWG] | 20 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm ² ... 6 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.5 mm ² ... 6 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |

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| | |
|-----------------------|---|
| Nominal cross section | 1.5 mm ² |
| Nominal current | 10 A |
| Maximum load current | 10 A (with 4 mm ² conductor cross-section) |
| Nominal voltage | 500 V |

Level 1 below 1

| | |
|---|--|
| Connection method | Leg spring connection |
| Stripping length | 10 mm |
| Internal cylindrical gage | A3 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 2.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm ² ... 2.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² |
| Nominal cross section | 1.5 mm ² |

Dimensions

| | |
|--------------------|---------|
| Width | 12.2 mm |
| Height | 71.5 mm |
| Depth on NS 35/7,5 | 51.3 mm |
| Depth on NS 35/15 | 58.8 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

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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 |
| | IEC 60947-7-1 |

Mounting

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

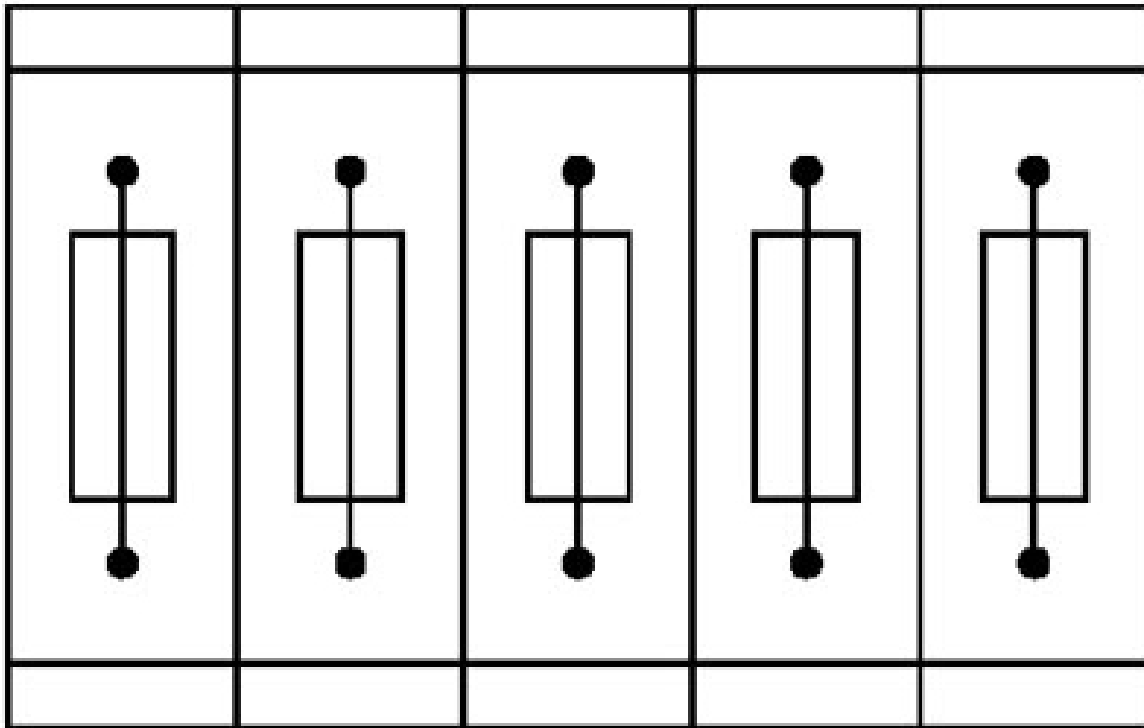
DT 6/2,5-DREHSILED 24 (5X20) - Fuse modular terminal block

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Drawings

Application drawing



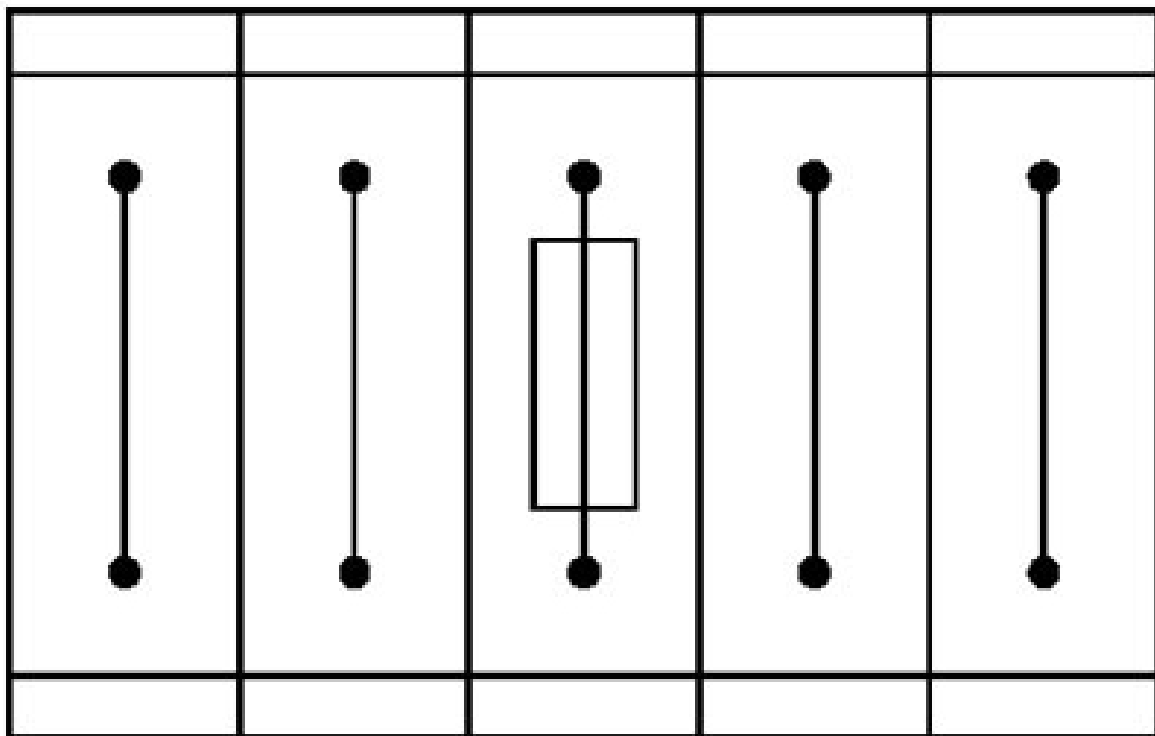
Fuse terminal blocks in interconnected arrangement,
block consisting of 5 fuse terminal blocks

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Application drawing



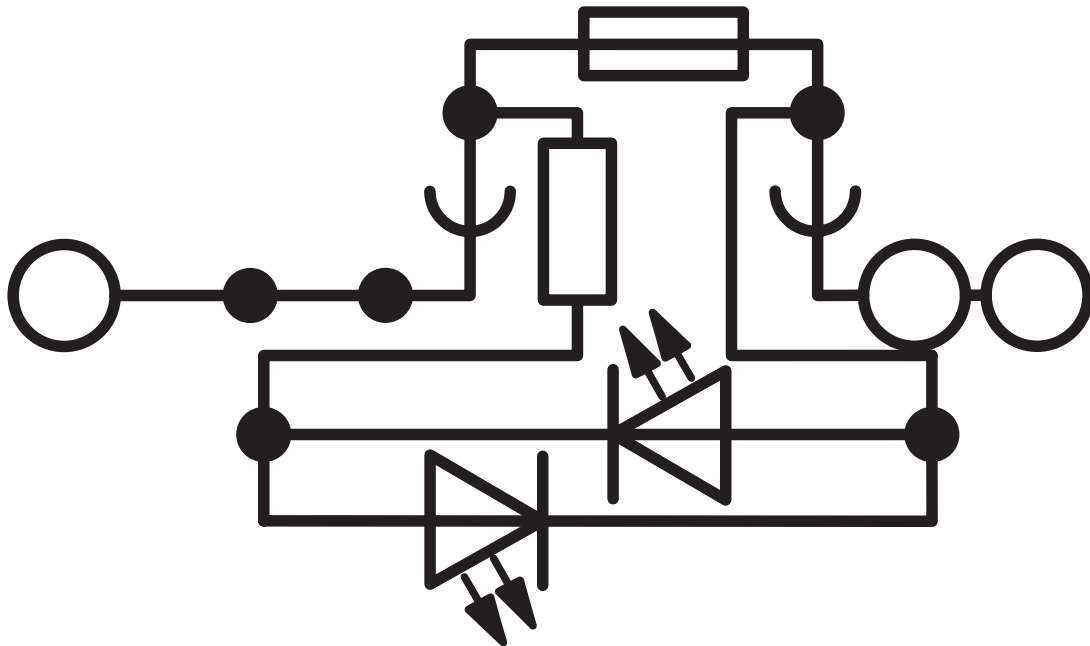
Fuse terminal block in single arrangement,
block consisting of one fuse terminal block and 4 feed-through terminal blocks

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Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3034251>



IECEE CB Scheme
Approval ID: NL-23160



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



KEMA-KEUR
Approval ID: 71-104946



cULus Recognized
Approval ID: E60425

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|----------|-----------------------|-----------------------|-------------------|-----------------------------|
| B | | | | |
| Output | 600 V | 10 A | 24 - 12 | - |
| Input | 600 V | 10 A | 20 - 8 | - |
| C | | | | |
| Output | 600 V | 10 A | 24 - 12 | - |
| Input | 600 V | 10 A | 20 - 8 | - |



EAC
Approval ID: KZ7500651131219505

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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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 | 0.33 kg CO2e |
|---------|--------------|

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