

PT 6-DREHSILA 250 (5X20) - Fuse modular terminal block



3025044

<https://www.phoenixcontact.com/au/products/3025044>

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 250 V, nominal current: 10 A, connection method: Push-in connection, Rated cross section: 6 mm², cross section: 0.5 mm²- 10 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 3025044 |
| Packing unit | 25 pc |
| Minimum order quantity | 25 pc |
| Sales key | BE2235 |
| Product key | BE2235 |
| Catalog page | Page 113 (C-1-2019) |
| GTIN | 4055626379425 |
| Weight per piece (including packing) | 29.53 g |
| Weight per piece (excluding packing) | 28.1 g |
| Customs tariff number | 85369095 |
| Country of origin | IN |

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Technical data

Notes

General

| | |
|------|--|
| Note | The current is determined by the fuse used, the voltage by the fuse or selected light indicator. |
|------|--|

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 | 1.31 W |
| Fuse | G / 5 x 20 |
| LED voltage range | 110 V AC/DC ... 250 V AC/DC (Glow lamp) |
| LED current range | 0.5 mA ... 1.1 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 | 110 V AC/DC ... 250 V AC/DC (Glow lamp) |
|-------------------|---|

Connection data

| | |
|----------------------------------|--|
| Number of connections per level | 2 |
| Nominal cross section | 6 mm ² |
| Rated cross section AWG | 10 |
| Stripping length | 10 mm ... 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) |

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| | |
|---|---|
| Conductor cross section flexible | 0.5 mm² ... 10 mm² |
| Conductor cross section, flexible [AWG] | 20 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm² ... 6 mm² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.5 mm² ... 6 mm² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 2.5 mm² When using TWIN ferrules, we recommend a minimum ferrule length of 13 mm. |
| Nominal current | 10 A |
| Maximum load current | 10 A (the current is determined by the fuse used) |
| Nominal voltage | 250 V |
| Nominal cross section | 6 mm² |

Connection cross sections directly pluggable

| | |
|---|------------------|
| Conductor cross section rigid | 1 mm² ... 10 mm² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 1 mm² ... 6 mm² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 1 mm² ... 6 mm² |

Dimensions

| | |
|--------------------|---------|
| Width | 12.3 mm |
| End cover width | 2.2 mm |
| Height | 77.7 mm |
| Depth | 49.8 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

Mechanical data

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

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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 | $6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$ |
| Acceleration | 3.12g |
| 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 | 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) | -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 |

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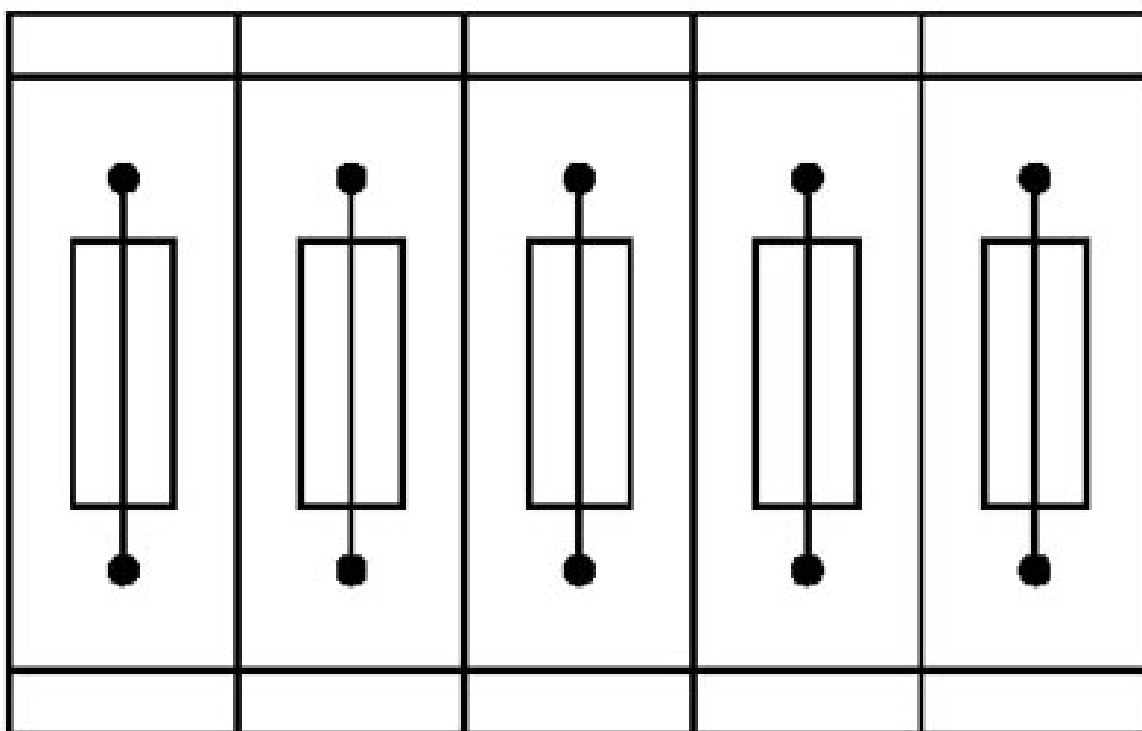


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Drawings

Application drawing



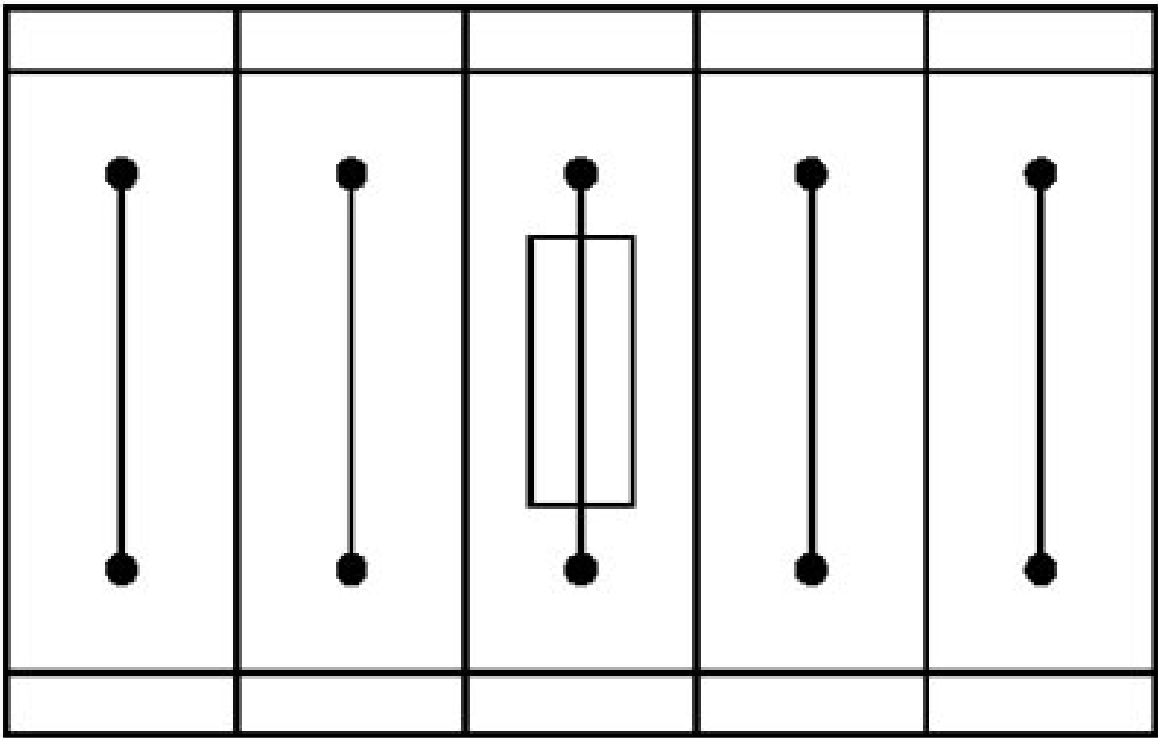
Fuse terminal blocks in interconnected arrangement,
block consisting of 5 fuse terminal blocks

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Application drawing



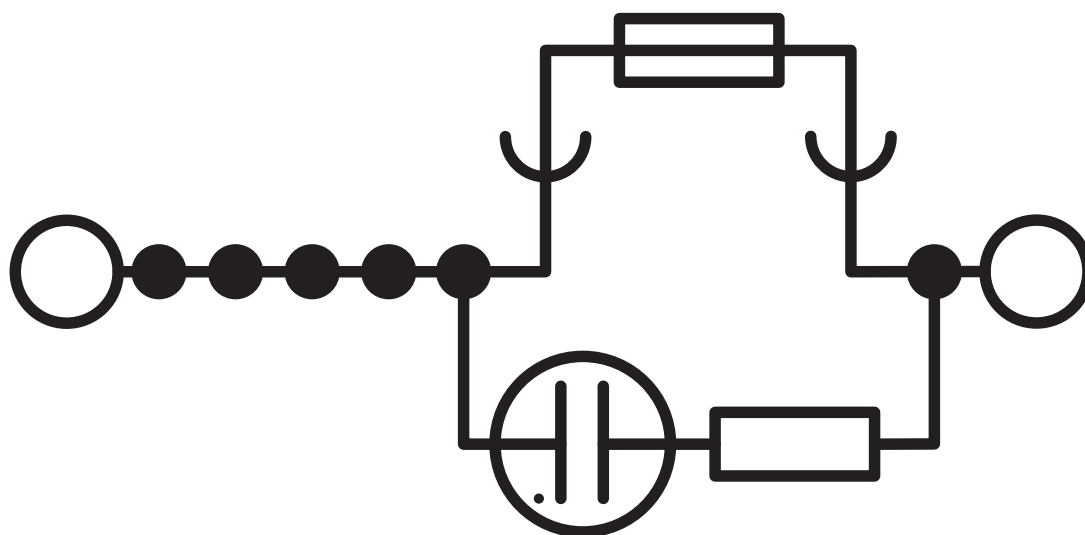
Fuse terminal block in single arrangement,
block consisting of one fuse terminal block and 4 feed-through terminal blocks

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Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/3025044>




EAC

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




cULus Recognized

Approval ID: E60425




cULus Recognized


Approval ID: E60425



cULus Recognized

Approval ID: E60425

| | | | | |
|---|--|--------------------------------|-------------------|-------------------------------|
|  | <div>CSA</div> <div>Approval ID: 2030668</div> | | | |
| | Nominal voltage U _N | Nominal current I _N | Cross section AWG | Cross section mm ² |
| Use group B | | | | |
| | 250 V | 10 A | 20 - 8 | - |
| Use group C | | | | |
| | 250 V | 10 A | 20 - 8 | - |



EAC

Approval ID: KZ7500651131219505

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Classifications

ECLASS

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

ETIM

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| ETIM 9.0 | 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% |

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