

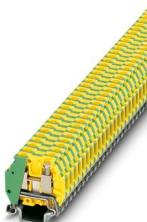
MT 1,5-PE - Protective conductor terminal block



3100318

<https://www.phoenixcontact.com/us/products/3100318>

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Protective conductor terminal block, number of connections: 2, connection method: Screw connection, 1 level, cross section: 0.14 mm² - 1.5 mm², mounting type: NS 15, color: green-yellow

Your advantages

- Low contact resistance
- Corrosion-free terminal points
- Green-yellow housing
- Captive terminal block screws

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3100318 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE12 |
| Product key | BE1261 |
| GTIN | 4017918099268 |
| Weight per piece (including packing) | 2.88 g |
| Weight per piece (excluding packing) | 2.693 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

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Technical data

Notes

| | |
|---------|--|
| General | When aligning with a feed-through terminal block of the same shape, an end cover must be interposed for insulation voltages of > 320 V |
|---------|--|

Product properties

| | |
|-----------------------|-----------------------|
| Product type | Ground terminal block |
| Number of connections | 2 |
| Number of rows | 1 |

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 4 kV |
| Maximum power dissipation for nominal condition | 0.56 W |

Connection data

| | |
|---------------------------------|---------------------|
| Number of connections per level | 2 |
| Nominal cross section | 1.5 mm ² |

1 level

| | |
|---|--|
| Connection method | Screw connection |
| Screw thread | M2 |
| Note | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque | 0.22 ... 0.25 Nm |
| Stripping length | 6 mm |
| Internal cylindrical gage | A1 |
| Connection in acc. with standard | IEC 60947-7-2 |
| Conductor cross-section rigid | 0.14 mm ² ... 1.5 mm ² |
| Cross section AWG | 26 ... 16 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section, flexible [AWG] | 26 ... 16 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 0.75 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm ² ... 0.75 mm ² |

Dimensions

| | |
|----------------|---------|
| Width | 4.2 mm |
| Height | 22 mm |
| Depth on NS 15 | 23.5 mm |

Material specifications

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| | |
|---|--------------|
| Color | green-yellow |
| 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

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 60947-7-2 |
|----------------------------------|---------------|

Mounting

| | |
|---------------|-------|
| Mounting type | NS 15 |
|---------------|-------|

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Drawings

Circuit diagram



MT 1,5-PE - Protective conductor terminal block



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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3100318>

| | CSA | Approval ID: 13631 | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----|--------------------|-----------------------|-----------------------|-------------------|----------------------|
| keine | | | - | - | 28 - 14 | - |

| | cULus Recognized | Approval ID: E60425 | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|---|------------------|---------------------|-----------------------|-----------------------|-------------------|----------------------|
| B | | | - | - | 30 - 14 | - |
| F | | | - | - | 30 - 14 | - |
| D | | | - | - | 30 - 14 | - |

| | CCA | Approval ID: NTR-NL 4243 | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----|--------------------------|-----------------------|-----------------------|-------------------|----------------------|
| keine | | | - | - | - | - 1.5 |

| | BV | Approval ID: 07774/E0 BV |
|--|----|--------------------------|
|--|----|--------------------------|

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

| | DNV | Approval ID: TAE00001CT |
|--|-----|-------------------------|
|--|-----|-------------------------|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250103 |
| ECLASS-15.0 | 27250103 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000901 |
|----------|----------|

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% |
|-------------------------------------|----------------------------|

EF3.0 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.013 kg CO2e |
|---------|---------------|

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