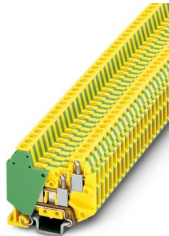


MT 1,5-QUATTRO-PE - Protective conductor terminal block

3001695

<https://www.phoenixcontact.com/us/products/3001695>

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Protective conductor terminal block, When aligning with a feed-through terminal block of the same shape, an end cover must be interposed for insulation voltages of $> 320\text{ V}$, number of connections: 4, connection method: Screw connection, cross section: $0.14\text{ mm}^2 - 1.5\text{ mm}^2$, mounting type: NS 15, color: green-yellow

Your advantages

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3001695 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE12 |
| Product key | BE1261 |
| GTIN | 4017918107208 |
| Weight per piece (including packing) | 4.89 g |
| Weight per piece (excluding packing) | 4.89 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

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Technical data

Product properties

| | |
|-----------------------|-----------------------|
| Product type | Ground terminal block |
| Number of connections | 4 |
| Number of rows | 2 |

Insulation characteristics

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

Electrical properties

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

Connection data

| | |
|---|--|
| Grounding foot | Yes |
| Number of connections per level | 4 |
| Nominal cross section | 1.5 mm ² |
| 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 | 33.5 mm |
| Depth on NS 15 | 30 mm |

Material specifications

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

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

Oscillation/broadband noise

| | |
|------------------------|--|
| Specification | EN 50155:2021-07 |
| Spectrum | Long life test category 2, bogie-mounted |
| Frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level | $6.12 \text{ (m/s}^2\text{)}/\text{Hz}$ |
| Acceleration | 30.6 m/s^2 |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

Shocks

| | |
|--------------------------------|-----------------------------------|
| Pulse shape | Half-sine |
| Acceleration | 300 m/s^2 |
| 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 60947-7-2 |
|----------------------------------|---------------|

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Mounting

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

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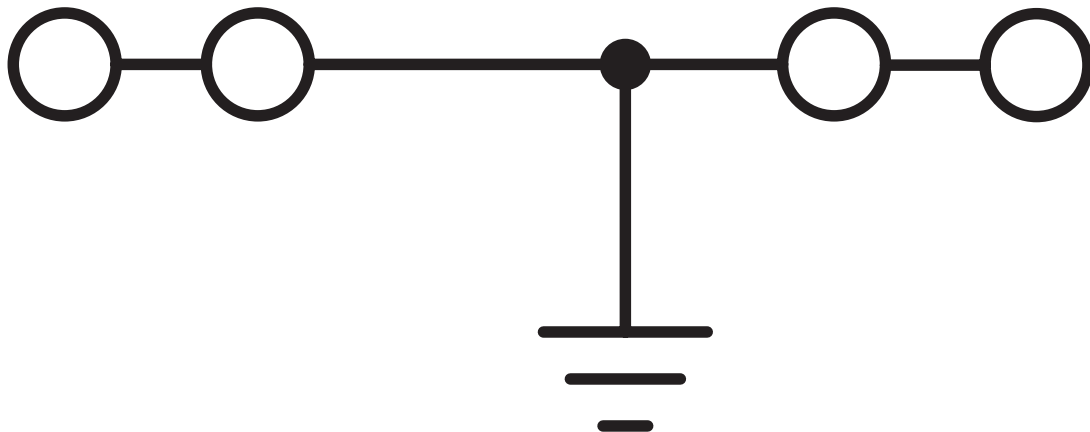


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Drawings

Circuit diagram



MT 1,5-QUATTRO-PE - Protective conductor terminal block





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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3001695>

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

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

|  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 4242 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | - | - | - | - 1.5 |

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

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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.015 kg CO2e |
|---------|---------------|

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com