

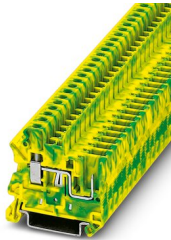
Ground modular terminal block - UT 4/ 1P-PE



3045606

<https://www.phoenixcontact.com/gb/products/3045606>

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Ground modular terminal block, Current and voltage are determined by the plug used., number of connections: 2, connection method: Screw/plug-in connection, cross section: 0.14 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standards IEC 61984 and IEC 60947-7-2 are met

Commercial Data

| | |
|--------------------------------------|---------------------|
| Item number | 3045606 |
| Packing unit | 50 pc |
| Minimum order quantity | 1 pc |
| Sales Key | BE1142 |
| Product Key | BE1142 |
| Catalog Page | Page 329 (C-1-2019) |
| GTIN | 4046356083119 |
| Weight per Piece (including packing) | 13.068 g |
| Weight per Piece (excluding packing) | 12.421 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

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Technical Data

Notes

| | |
|---------|---|
| General | Current and voltage are determined by the plug used. |
| General | |
| Note | With a free-hanging connection, an insulating foil has to be placed between the plug connection and electrically conductive surfaces. |

Product properties

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

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 1.02 W |

Connection data

| | |
|---------------------------------|-------------------|
| Grounding foot | Yes |
| Number of connections per level | 2 |
| Nominal cross section | 4 mm ² |

Level 1 below 1

| | |
|---|--|
| Screw thread | M3 |
| Note | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 9 mm |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross section solid | 0.14 mm ² ... 6 mm ² |
| Cross section AWG | 26 ... 10 (converted acc. to IEC) |
| Conductor cross section flexible | 0.14 mm ² ... 6 mm ² |
| Conductor cross section, flexible [AWG] | 26 ... 10 (converted acc. to IEC) |
| Flexible conductor cross section flexible (ferrule, w/o plastic sleeve) | 0.14 mm ² ... 4 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.14 mm ² ... 4 mm ² |

Dimensions

| | |
|-----------------|--------|
| Width | 6.2 mm |
| End cover width | 2.2 mm |

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| | |
|------------------|---------|
| Height NS 35/15 | 55 mm |
| Height NS 35/7,5 | 47.5 mm |
| Length | 47.6 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 |
| 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 | Yes |
|-----------------|-----|

Environmental and real-life conditions

Oscillation/broadband noise

| | |
|------------------------|---|
| Specification | DIN EN 50155 (VDE 0115-200):2022-06 |
| Spectrum | Service life test category 1, class B, body mounted |
| Frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ |
| ASD level | $0.964 \text{ (m/s}^2\text{)}/\text{Hz}$ |
| Acceleration | 0.58g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

Shocks

| | |
|--------------------------------|-------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2022-06 |
| Pulse shape | Half-sine |
| Acceleration | 5g |
| Shock duration | 30 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Result | Test passed |

Ambient conditions

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| | |
|--|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport) | 30 % ... 70 % |

Standards and regulations

| | |
|----------------------------------|-----------|
| Connection in acc. with standard | IEC 61984 |
|----------------------------------|-----------|

Mounting

| | |
|---------------|-----------|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |

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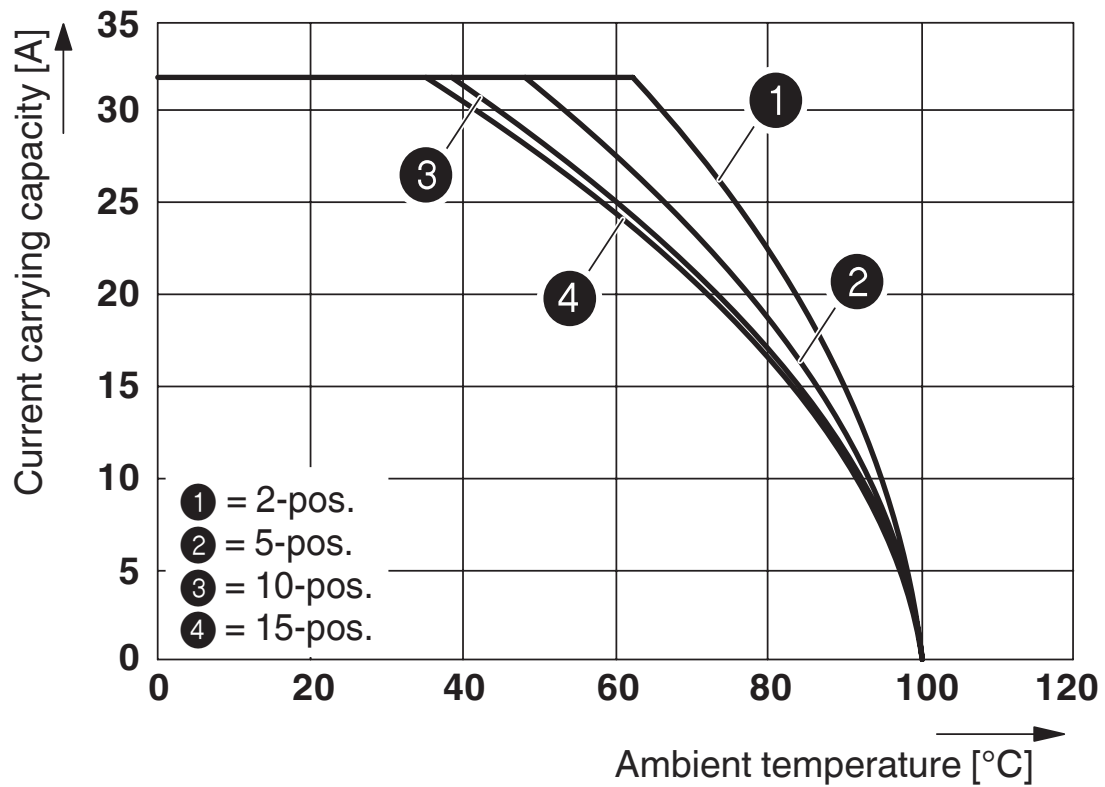


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Drawings

Diagram



The figure shows the derating curve of the UT 4/1P... terminal block in connection with the UPVB 4 plug

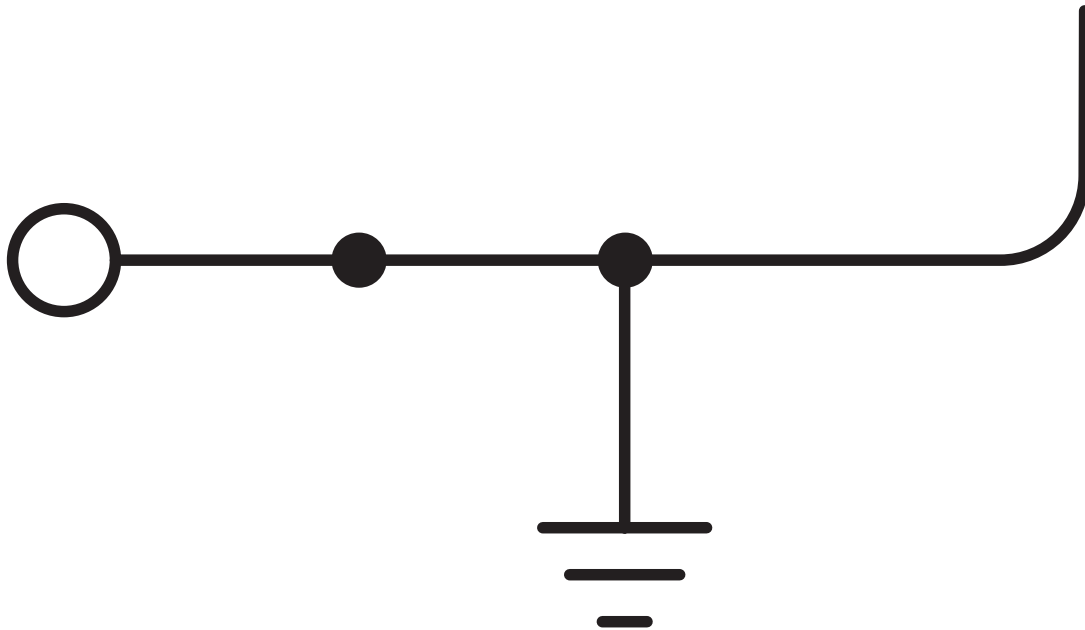
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Circuit diagram




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Approvals

|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | | | 26 - 10 | - |

|  IECEE CB Scheme Approval ID: NL-34722_A1 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | 800 V | 32 A | - | - |

|  EAC Approval ID: RU C-DE.BL08.B.00534 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| Use group B | | | 26 - 10 | - |
| Multi-conductor connection | | | 26 - 14 | - |
| Use group C | | | 26 - 10 | - |
| Multi-conductor connection | | | 26 - 14 | - |
| Use group D | | | 26 - 10 | - |
| Multi-conductor connection | | | 26 - 14 | - |

|  KEMA-KEUR Approval ID: 71-114072 REV.1 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | 800 V | 32 A | - | - |

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27141141 |
| ECLASS-10.0.1 | 27141141 |
| ECLASS-11.0 | 27141141 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC000901 |
|----------|----------|

UNSPSC

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

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Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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