

UT 6/1P-PE - Ground terminal



3060555

<https://www.phoenixcontact.com/au/products/3060555>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Ground terminal, Current and voltage are determined by the plug used., number of connections: 2, connection method: Screw/plug-in connection, cross section: 0.2 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 3060555 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE1142 |
| Product key | BE1142 |
| Catalog page | Page 355 (C-1-2019) |
| GTIN | 4046356599559 |
| Weight per piece (including packing) | 21.28 g |
| Weight per piece (excluding packing) | 20.18 g |
| Customs tariff number | 85369010 |
| Country of origin | CN |

UT 6/1P-PE - Ground terminal



3060555

<https://www.phoenixcontact.com/au/products/3060555>

Technical data

Notes

| | |
|---------|----------------------------------------------------------------------------------------------------|
| General | Current and voltage are determined by the plug used. |
| General | |
| Note | In plugged-in condition, the most unfavorable paths of the entire plug-in connection are decisive. |

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 | 1.31 W |

Connection data

| | |
|---------------------------------|-------------------|
| Grounding foot | Yes |
| Number of connections per level | 2 |
| Nominal cross section | 6 mm ² |
| Rated cross section AWG | 8 |

Level 1 above 1 below 1

| | |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| Screw thread | M4 |
| Note | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque | 1.5 ... 1.8 Nm |
| Stripping length | 10 mm |
| Internal cylindrical gage | A5 |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross section rigid | 0.2 mm ² ... 10 mm ² |
| Cross section AWG | 24 ... 8 (converted acc. to IEC) |
| Conductor cross section flexible | 0.2 mm ² ... 10 mm ² |
| Conductor cross section, flexible [AWG] | 24 ... 8 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 6 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.25 mm ² ... 6 mm ² |

Dimensions

| | |
|-----------------|--------|
| Width | 8.2 mm |
| End cover width | 2.2 mm |

UT 6/1P-PE - Ground terminal



3060555

<https://www.phoenixcontact.com/au/products/3060555>

| | |
|--------------------|---------|
| Height | 49.1 mm |
| Depth on NS 35/7,5 | 47.5 mm |
| Depth on NS 35/15 | 55 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 |

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.) |

Ambient conditions

| | |
|-----------------------------------------|--------------------------------------------------------------------|
| Ambient temperature (operation) | -60 °C (max. operating temperature see derating curve) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, no longer than 24 h, -60 °C to |

UT 6/1P-PE - Ground terminal



3060555

<https://www.phoenixcontact.com/au/products/3060555>

| | |
|------------------------------------------|-----------------|
| | +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 61984 |
|----------------------------------|-----------|

Mounting

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

UT 6/1P-PE - Ground terminal

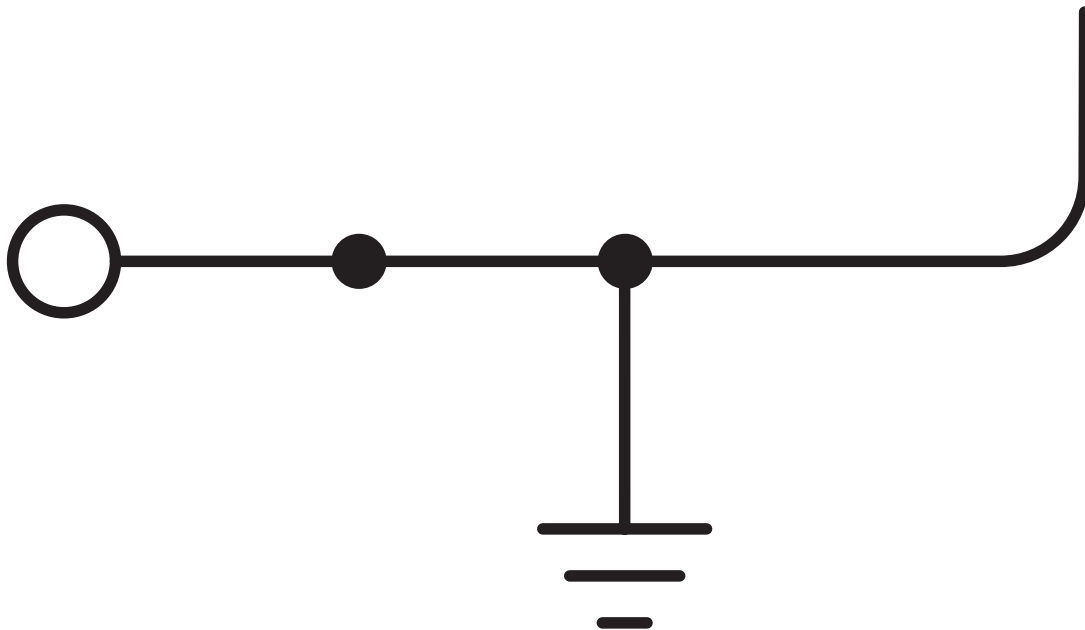
3060555

<https://www.phoenixcontact.com/au/products/3060555>



Drawings

Circuit diagram



UT 6/1P-PE - Ground terminal




3060555


<https://www.phoenixcontact.com/au/products/3060555>


Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/3060555>

|  CSA Approval ID: 13631 | | | | |
|--------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | - | - | 24 - 8 | - |

|  IECEE CB Scheme Approval ID: DE1-62748 | | | | |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 1000 V | - | - | 0.2 - 10 |

|  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 | - | - | 24 - 8 | - |
| Use group C | - | - | 24 - 8 | - |
| Use group D | - | - | 24 - 8 | - |

|  VDE Gutachten mit Fertigungsüberwachung Approval ID: 40034876 | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 1000 V | - | - | 0.2 - 10 |

UT 6/1P-PE - Ground terminal



3060555

<https://www.phoenixcontact.com/au/products/3060555>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141141 |
| ECLASS-13.0 | 27250103 |

ETIM

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

UNSPSC

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

UT 6/1P-PE - Ground terminal



3060555

<https://www.phoenixcontact.com/au/products/3060555>

Environmental product compliance

| | |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT PTY Ltd
Unit 7, 2-8 South Street
Rydalmere NSW 2116
1300 786 411
customerservice@phoenixcontact.com.au