

Plug - PP-H 6/10

3061651

<https://www.phoenixcontact.com/de/produkte/3061651>



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Plug, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in connection, 1 level, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², color: gray

Your advantages

- Large-surface labeling option
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves
- Tested for railway applications

Commercial Data

| | |
|--------------------------------------|---------------------|
| Item number | 3061651 |
| Packing unit | 25 pc |
| Minimum order quantity | 25 pc |
| Sales Key | A1 - Reihenklemmen |
| Product Key | BE2244 |
| Catalog Page | Page 352 (C-1-2019) |
| GTIN | 4046356650199 |
| Weight per Piece (including packing) | 76,52 g |
| Weight per Piece (excluding packing) | 76,03 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

Technical Data

Product properties

| | |
|-----------------------|-------------------|
| Product type | Terminal plug |
| Number of positions | 10 |
| Pitch | 8.2 mm |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| Number of connections | 10 |
| Number of rows | 1 |
| Potentials | 10 |

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

| | |
|---------------------------------|-------------------|
| Number of connections per level | 10 |
| Nominal cross section | 6 mm ² |

1 level

| | |
|---|---|
| Stripping length | 12 mm |
| Internal cylindrical gage | A5 |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross section solid | 0.5 mm ² ... 10 mm ² |
| Cross section AWG | 20 ... 8 (converted acc. to IEC) |
| Conductor cross section flexible | 0.5 mm ² ... 6 mm ² |
| Conductor cross section, flexible [AWG] | 20 ... 10 (converted acc. to IEC) |
| Flexible conductor cross section flexible (ferrule, w/o plastic sleeve) | 0.5 mm ² ... 6 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.5 mm ² ... 6 mm ² |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.5 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |
| Nominal current | 41 A |
| Maximum load current | 41 A (with 6 mm ² conductor cross section) |
| Nominal voltage | 1000 V |
| Nominal cross section | 6 mm ² |

1 level Connection cross sections directly pluggable

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| | |
|---|--|
| Conductor cross section solid | 1 mm ² ... 10 mm ² |
| Flexible conductor cross section flexible (ferrule, w/o plastic sleeve) | 1 mm ² ... 6 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 1 mm ² ... 6 mm ² |

Dimensions

| | |
|--------|---------|
| Width | 82 mm |
| Height | 49.3 mm |
| Length | 21 mm |
| Pitch | 8.2 mm |

Material specifications

| | |
|---|-------------|
| Color | gray |
| 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

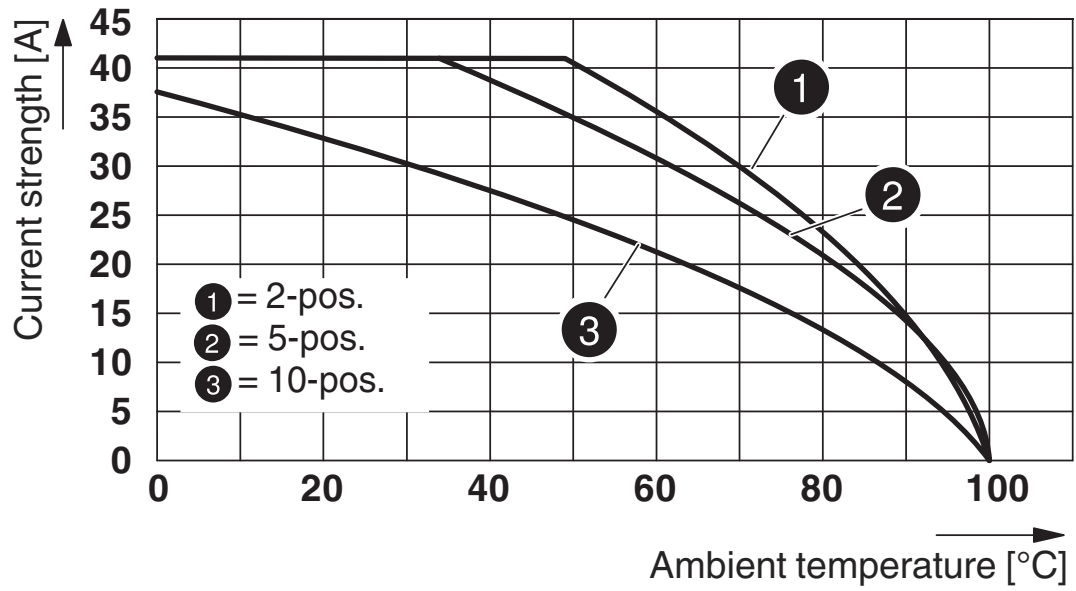
| | |
|--|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

Standards and regulations

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

Drawings

Diagram



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 |
| Use group B | 600 V | 40 A | 20 - 8 | - |
| Use group C | 600 V | 40 A | 20 - 8 | - |
| Use group D | 600 V | 5 A | 20 - 8 | - |

|  IECEE CB Scheme Approval ID: DE1-64372_B1_B2 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | 1000 V | | - | - |

|  EAC Approval ID: RU C-DE.BL08.B.00511 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  VDE Zeichengenehmigung Approval ID: 40043445 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | 1000 V | | - | 0.5 - 6 |

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| Use group B | 600 V | 40 A | 20 - 8 | - |
| Use group C | 600 V | 40 A | 20 - 8 | - |

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27141151 |
| ECLASS-10.0.1 | 27141151 |
| ECLASS-11.0 | 27141151 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC002021 |
|----------|----------|

UNSPSC

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

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Environmental Product Compliance

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

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