

QP 1,5/14 - Plug

3051234

<https://www.phoenixcontact.com/us/products/3051234>



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Plug, nom. voltage: 500 V, nominal current: 17.5 A, number of positions: 14, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.25 mm²- 1.5 mm², color: gray

Your advantages

- Just like the basic terminal blocks, the plugs also offer the right connection technology for every application
- The conductor is connected using the familiar IDC connection with no stripping, therefore saving time
- Tested for railway applications
- The QP 1,5/... fast connector plug is designed for the connection of solid and stranded conductors

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3051234 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Product key | BE3144 |
| GTIN | 4046356083072 |
| Weight per piece (including packing) | 56.43 g |
| Weight per piece (excluding packing) | 56.43 g |
| Country of origin | PL |

Technical data

Product properties

| | |
|---------------------|---------------|
| Product type | Terminal plug |
| Number of positions | 14 |
| Pitch | 5.2 mm |

Insulation characteristics

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

Electrical properties

| | |
|---------------------|------|
| Rated surge voltage | 6 kV |
|---------------------|------|

Connection data

| | |
|-----------------------|---------------------|
| Nominal cross section | 1.5 mm ² |
|-----------------------|---------------------|

1 level

| | |
|---|---|
| Connection method | Quick connection |
| Material wire insulation | PVC / PE |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross-section rigid | 0.25 mm ² ... 1.5 mm ² |
| Cross section AWG | 24 ... 16 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.25 mm ² ... 1.5 mm ² |
| Conductor cross-section, flexible [AWG] | 24 ... 16 (converted acc. to IEC) |
| Cross section, sensor conductors | 0.25 mm ² ... 0.34 mm ² |
| Nominal cross section | 1.5 mm ² |
| Nominal current | 17.5 A |
| Maximum load current | 17.5 A (with 1.5 mm ² conductor cross-section) |
| Nominal voltage | 500 V |

Dimensions

| | |
|--------|---------|
| Width | 72.8 mm |
| Height | 40 mm |
| Length | 20 mm |
| Pitch | 5.2 mm |

Material specifications

| | |
|--|-----------------|
| Color | gray (RAL 7042) |
| 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) | 125 °C |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |

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

Environmental and real-life conditions

Ambient conditions

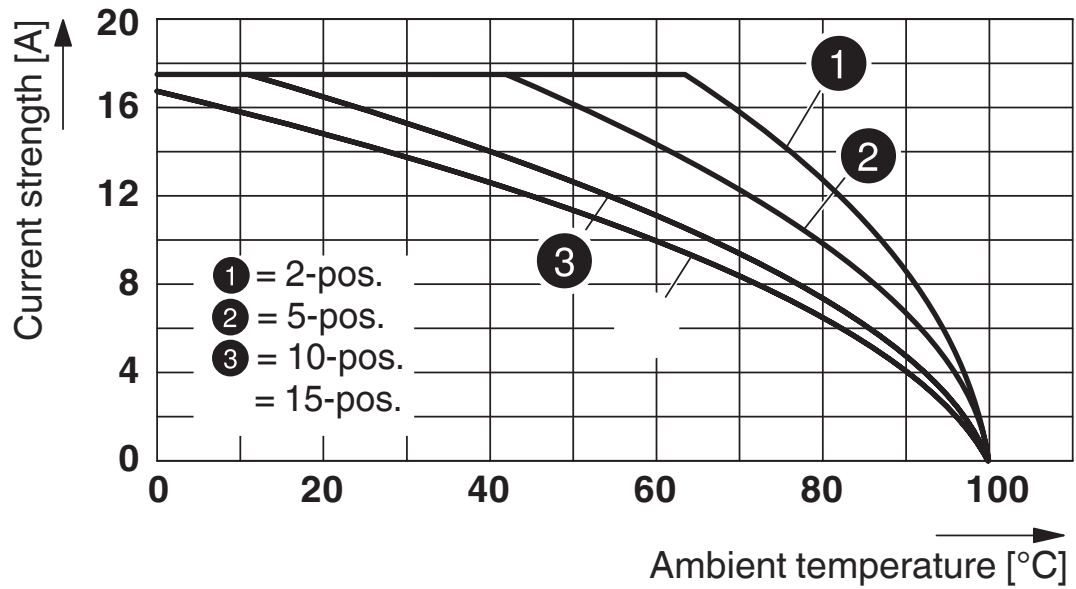
| | |
|--|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient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

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

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