1155595

https://www.phoenixcontact.com/us/products/1155595



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Connector, Range of articles: BPC, color: black, number of positions: 1, min. conductor cross section: 50 mm², max. conductor cross section: 70 mm², rated voltage: 1500, rated current: 250 A, Connection method: Crimp, Contact connection type: Socket, min. cable diameter: 11.3 mm, max. cable diameter: 17 mm

Your advantages

- · Patented design with "three proofs and one rotation"
- · Safety lock
- · 360° free rotation and flexible wiring
- · Foolproof mechanism installed
- Touch-proof
- · Mismatching and short circuit proof

Commercial data

| Item number | 1155595 |
|--------------------------------------|---------------|
| Packing unit | 15 рс |
| Minimum order quantity | 15 pc |
| Sales key | AB04 |
| Product key | ABLDBA |
| GTIN | 4063151156985 |
| Weight per piece (including packing) | 97 g |
| Weight per piece (excluding packing) | 97 g |
| Customs tariff number | 85359000 |
| Country of origin | CN |

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Technical data

Notes

| The products must be regularly inspected for damage. |
|---|
| Decommission defective products immediately. Replace damaged products. Repairs are not possible. |
| WARNING: Only electrically qualified personnel may instal operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the bas electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indic that only personnel familiar with electrical engineering are allowed to install and operate the product. |
| WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper may damage persons and/or property. |
| The products are suitable for applications in plant, controll and electrical device engineering. |
| Assembled products may not be manipulated or improperly opened. |
| Only use mating connectors that are specified in the techn data of the standards listed (e.g. the ones listed in the produ accessories online at phoenixcontact.com/products). |
| When using the product in direct connection with third-part manufacturers, the user is responsible. |
| • For operating voltages > 50 V AC, conductive connector housings must be grounded |
| Ensure that the protective or functional ground has been properly connected. |
| Observe the corresponding technical data. You will find information: o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product |
| The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product. |
| Use a protective cap to protect connectors that are not in u The suitable accessories are available online in the accessor section of the product at phoenixcontact.com/products |
| • The connector warms up in normal operation. Depending a ambient conditions, the surface of the connector can continu warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12). |
| Operate the connector only when it is fully plugged in and interlocked. |
| • Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards. |
| |

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• Observe the minimum bending radius of the cable. Lay the cable without twisting it.

Product properties

| Product family BPC | je |
|-----------------------|----|
| | |
| Number of positions 1 | |

2

Insulation characteristics

Degree of pollution

Electrical properties

| Rated voltage (III/2) | 1500 V DC |
|--------------------------------|---|
| Nominal voltage ATD | 1500 (III/2.00) |
| Rated current | 250 A (with 70 mm ² conductor cross-section, in accordance with IEC 61984) |
| | 200 A (with 50 mm ² conductor cross-section, in accordance with IEC 61984) |
| | 250 A (with AWG 2/0, in accordance with UL 4128) |
| Contact resistance | ≤ 0.5 mΩ |
| Insulation resistance | 1000 ΜΩ |
| Nominal voltage U _N | 1500 V |

Connection data

| Connection method | Crimp |
|-------------------|----------|
| Tightening torque | 2 2.5 Nm |

Material specifications

| Color | black |
|--|-------------|
| Material | Polyamide |
| | Copper |
| | Silicon |
| Flammability rating according to UL 94 | VO |
| Seal material | Silicon |
| Insulating material | PA |
| Contact material | Cu/Cu alloy |

Cable/line

| External cable diameter | 11.3 mm 17 mm |
|---|---------------|
| Single wire, cross section | 50 mm² 70 mm² |
| Stripping length of the individual wire | 20 mm ±1 mm |

Mechanical properties

| Mechanical data | |
|-----------------------------|--------|
| Insertion/withdrawal cycles | 100 |
| Insertion force | ≤ 75 N |

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| Withdrawal force | ≥ 10 N |
|---|----------------------|
| nvironmental and real-life conditions | |
| Ambient conditions | |
| Degree of protection (when plugged in) | IP65 (Mating socket) |
| | IP65 (Mating socket) |
| Degree of protection (not plugged in) | IP20 |
| Degree of protection | IP65 |
| Ambient temperature (operation) | -40 °C 80 °C |
| Ambient temperature (storage/transport) | -40 °C 80 °C |
| Altitude | 4000 m |
| tandards and regulations | |
| Standards/specifications | IEC 61984:2008 |
| | |

EN 61984:2008 UL 4128 PPP 51090A

Mounting

Assembly instructions

We recommend using the crimping dies and other crimping devices of Jiangsu Bozhiwang Automation Equipment Co., Ltd. for cable crimp connections; address: No. 39 Kun Lun Road, Xin Bei District, Changzhou, Jiangsu Province, China, email: flacz2020@163.com, die model: BZW-6F



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Classifications

ECLASS

| ECLASS-11.0 | 27440390 |
|-------------|----------|
| ECLASS-12.0 | 27440390 |
| ECLASS-13.0 | 27440390 |

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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