

1453478

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Device connector, rear mounting, 3-position, Pin, straight, M8, Rear mounting, M8 x 1, Individual wires, cable length: 0.5 m, 0.25 mm^2 , PVC litz wire

Your advantages

- · Preassembled with litz wires for immediate use
- · Customer-specific assemblies and litz wire lengths available
- · Sealed on the litz wire side for optimum leak-tightness
- Standard pin assignments and codings for signal transmission with a uniform design-in design

Commercial data

| Item number | 1453478 |
|--------------------------------------|--------------------|
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB22 |
| Product key | ABQICA |
| Catalog page | Page 34 (C-2-2019) |
| GTIN | 4046356554381 |
| Weight per piece (including packing) | 11.925 g |
| Weight per piece (excluding packing) | 10.6 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |



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Technical data

Mounting

| Mounting type | Rear mounting M8 x 1 With flat nut |
|-----------------------|------------------------------------|
| Assembly instructions | With flat nut |
| Connection method | Individual wires |

Product properties

| Product type | Circular connectors (device side) |
|----------------------|-----------------------------------|
| Number of positions | 3 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |
| Thread type | M8 |

Insulation characteristics

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

Material specifications

| Flammability rating according to UL 94 | НВ |
|--|--------------------------|
| Seal material | FKM |
| Contact material | Cu alloy |
| Contact surface material | Au |
| Contact carrier material | PUR/PA 6.6 |
| Material for screw connection | Brass, nickel-plated |
| Conductor material | Tin-plated Cu litz wires |

Electrical properties

| Rated surge voltage | 1.5 kV |
|--------------------------------|----------|
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage U _N | 48 V AC |
| | 60 V DC |
| Nominal current I _N | 4 A |
| Max. conductor resistance | 80 Ω/km |

Connection data

Conductor connection

| Connection method | Individual wires |
|-------------------------|------------------|
| Contact connection type | Pin |
| Conductor cross section | 0.25 mm² |



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Standards/specifications

| Tightening torque | 1 Nm 1.5 Nm (Installation-side) |
|--|--|
| onnector | |
| Connection 1 | |
| Head design | Pin |
| Head cable outlet | straight |
| Head thread type | M8 |
| able/line | |
| Cable length | 0.5 m |
| Cable type | PVC litz wire |
| Wire diameter incl. insulation | 1.5 mm ±0.1 mm |
| Single wire, color | brown, blue, black |
| Cable cross section | 0.25 mm² |
| Conductor material | Tin-plated Cu litz wires |
| Conductor structure signal line | 7x 0.20 mm |
| AWG signal line | 24 |
| Material wire insulation | PVC / UL |
| Thickness, insulation | 0.21 mm |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V AC |
| Cable resistance | ≥ 80 Ω/km |
| Cable insulation resistance | ≥ 20 MΩ*km |
| Ambient temperature (operation) | -40 °C 105 °C (cable, fixed installation) |
| | -10 °C 105 °C (Cable, flexible installation) |
| nvironmental and real-life conditions | |
| TVI of internal and real line conditions | |
| Ambient conditions | 1707 |
| Degree of protection | IP67 |
| Ambient temperature (operation) | IP67 |
| | -25 °C 85 °C (Plug) |
| | -40 °C 105 °C (cable, fixed installation) |
| | -10 °C 105 °C (Cable, flexible installation) |
| andards and regulations | |
| M8 | |
| Standard designation | M8 connector |
| | |

IEC 61076-2-104



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