

QPD 5P/ 5,0-PVC/5P 5X2,5 BK - Connecting cable



1408722

<https://www.phoenixcontact.com/us/products/1408722>

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Preassembled QUICKON connectors, 4+PE, black, with 5x 2.5 PVC cable, length: 5.0 m



Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Easy maintenance – the connectors enable fast device replacement and preassembled cables simplify startup

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1408722 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF50 |
| Product key | AF6GCX |
| GTIN | 4046356827201 |
| Weight per piece (including packing) | 1,306.8 g |
| Weight per piece (excluding packing) | 1,306.8 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|------------------------------------|------------------------------|
| Product type | Assembled installation cable |
| Product family | QPD |
| Type | QPD 5x2,5 |
| Number of positions | 5 |
| Connection profile | 4+PE |
| Position marking | 1, 2, 3, N, PE |
| Number of connections | 5 |
| Number of connections per position | 1 |

Insulation characteristics

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

Electrical properties

| | |
|-----------------------------|----------------------|
| Rated surge voltage (II/2) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (III/3) | 6 kV |
| Rated current | 20 A |
| Contact resistance | < 4 mΩ |
| rated voltage (II/2) | 1000 V |
| rated voltage (III/2) | 1000 V |
| Rated voltage (III/3) | 690 V |
| Nominal voltage U_N | 690 V AC 690 V DC |
| Nominal current I_N | 20 A |

Connection data

Connection technology

| | |
|---|----------------|
| Connection method On the field side | IDC connection |
| Frequency of connections between conductors of the same cross section | max. 10 |

Conductor connection

| | |
|----------------------------------|---|
| Conductor cross-section flexibel | 1 mm ² ... 2.5 mm ² |
| Conductor cross-section solid | 1 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 16 ... 14 |
| Tightening torque Union nut | 10 Nm |
| Wrench size Union nut | 27 mm |

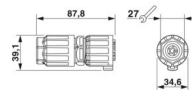
Dimensions

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| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 34.6 mm |
| Height | 39.1 mm |
| Length | 5.18 mm |
| Diameter | 34.6 mm |

Material specifications

| | |
|--|-------------------|
| Color | black (RAL 9005) |
| Material Housing | PA |
| Material Contact surface | silver-plated |
| Flammability rating according to UL 94 | V0 |
| Material wire insulation | PVC/PE/TPE/rubber |

Cable/line

| | |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

PVC gray [PVC]

| | |
|---|--|
| Shielded | no |
| Cable weight | 242 kg/km |
| Cable type | PVC gray |
| Cable type (abbreviation) | PVC |
| External cable diameter | 11.80 mm |
| Outer sheath, material | PVC |
| External sheath, color | gray RAL 7001 |
| Conductor material | Bare Cu litz wires |
| Conductor structure, voltage supply | 50x 0.25 mm |
| Conductor cross-section | 5x 2.5 mm ² |
| AWG power supply | 14 |
| Material wire insulation | PVC |
| Single wire, color | blue, brown, black, gray, green/yellow |
| Overall twist | 5 cores, twisted |
| Nominal voltage, cable | 750 V 1000 V (Fixed, protected installation) |
| Test voltage, cable | 4000 V |
| Cable insulation resistance | > 0.2 MΩ*km |
| Minimum bending radius, fixed installation | 4 x D |
| Minimum bending radius, flexible installation | 15 x D |
| Flame resistance | according to IEC 60332-1-2 |
| Ambient temperature (operation) | -5 °C ... 70 °C (Cable, flexible installation) -40 °C ... 80 °C (cable, fixed installation) |

Mechanical properties

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Mechanical data

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | max. 50 |
|-----------------------------|---------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|-------------------|
| Degree of protection | IP66 |
| | IP68 (2 m / 24 h) |
| | IP69K |
| Impact strength | IK07 |
| Ambient temperature (operation) | -40 °C ... 100 °C |
| Temperature when conductor connected | -5 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |

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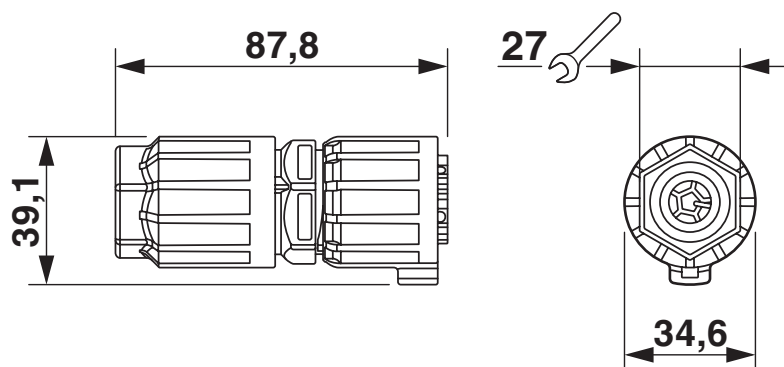
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Drawings

Dimensional drawing



Dimensional drawing: connector, 2.5 mm²

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440604 |
| ECLASS-15.0 | 27440604 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121402 |
|-------------|----------|

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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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