

Conductor connectors - QPD C 4PE1,5 2X9-14 BK - 1414742

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Conductor connectors, QUICKON connection, number of positions: 4+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, With two QUICKON nuts, cable diameter range: 9 mm ... 14 mm

Your advantages

- ✓ Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- ✓ Convenient: quick and easy assembly without special tools
- ✓ Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- ✓ Safer connection thanks to polarization against mismatching and touch-proof protection according to DIN EN 0105
- ✓ Easy and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection

Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4055626033570 |
| Weight per Piece (excluding packing) | 57.300 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

General

| | |
|------------------------------|--------------------|
| Type | QPD 5x1,5 |
| Color | black |
| Locking type | Screw locking |
| Connection method | QUICKON connection |
| | IDC connection |
| Number of positions | 5 |
| Note number of positions | 4+PE |
| Tightening torque, union nut | 8 Nm |

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Technical data

General

| | |
|---------------------------------------|---------------------|
| Tightening torque, counter nut | 5 Nm |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 16 |

Cabel

| | |
|---|------------------------------------|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 1 to 6/min. 0.15 mm |
| Wire insulation material | PVC/PE/TPE/rubber |
| Wire diameter including insulation | 1.6 mm ... 3 mm |
| External cable diameter | 9 mm ... 14 mm |
| Position marking | 1, 2, 3, N, PE |

Ambient conditions

| | |
|---|-------------------|
| Degree of protection | IP66 |
| | IP68 |
| | IP69K |
| Ambient temperature (operation) | -40 °C ... 100 °C |
| Ambient temperature (storage/transport) | -40 °C ... 100 °C |
| Temperature when conductor connected | -5 °C ... 50 °C |

Electrical characteristics

| | |
|--------------------------------|--------|
| Nominal current I _N | 17.5 A |
| Rated current | 17.5 A |
| Rated voltage (III/3) | 690 V |
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1000 V |
| Rated surge voltage (III/3) | 6 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 8 kV |

Mechanical characteristics

| | |
|-----------------------------|----------------------------------|
| QUICKON connectability | max. 10 |
| Insertion/withdrawal cycles | 10 (QUICKON connections max. 10) |
| Category of shock impact | IK07 |

Material data

| | |
|--------------------------|---------------|
| Contact material | Cu |
| Contact surface material | silver-plated |
| Contact carrier material | PA |
| Insulating material | PA |

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Technical data

Material data

| | |
|--|-----|
| Flammability rating according to UL 94 | V0 |
| Overvoltage category | III |
| Degree of pollution | 3 |

Standards and Regulations

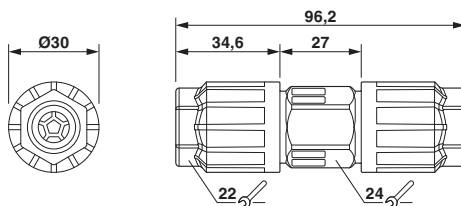
| | |
|--|-----|
| Halogen-free | yes |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

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

Drawings

Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27143400 |
| eCl@ss 7.0 | 27440605 |
| eCl@ss 8.0 | 27440605 |
| eCl@ss 9.0 | 27440605 |

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC002560 |
| ETIM 6.0 | EC002560 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121402 |
|-------------|----------|

Approvals

Approvals

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Approvals

Approvals

GL / IEC EE CB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals

Approval details

| | | | |
|----|--|---|------------|
| GL | | http://exchange.dnv.com/tari/ | 6195914 HH |
|----|--|---|------------|

| | | | |
|-----------------|--|---|-----------|
| IECEE CB Scheme | | http://www.iecee.org/ | DE1-58228 |
|-----------------|--|---|-----------|

| | | | |
|------------------------|--|---|----------|
| VDE Zeichengenehmigung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40029149 |
|------------------------|--|---|----------|

| | |
|----------------------------|---------|
| Nominal voltage UN | 690 V |
| Nominal current IN | 17.5 A |
| mm ² /AWG/kcmil | 0.5-1.5 |

| | | |
|-----|--|--------------------------|
| EAC | | RU C- DE.AI30.B.01102 |
|-----|--|--------------------------|

Accessories

Accessories

Coding element

Coding profile - CP-QPD 5X1,5 - 1414760



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

Sealing plugs

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Accessories

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, PA, for threads pluggable, color: red

Socket spanner

Socket wrench - QSS 22 - 1670206



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm