

Connector - QPD P 3PE1,5 8-13 BK - 1414704

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Connector, QUICKON connection, No. of pos.: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, With QUICKON nut, Cable diameter: 10 mm ... 13 mm

Why buy this product

- ✓ 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 maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables

Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4055626031668 |
| Weight per Piece (excluding packing) | 1.000 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

General

| | |
|-------------------|--------------------|
| Design | QPD 4x1,5 |
| Color | black |
| Locking type | Screw locking |
| Connection method | QUICKON connection |
| | IDC connection |

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Technical data

General

| | |
|---------------------------------------|---------------------|
| Number of positions | 4 |
| Note number of positions | 3+PE |
| Tightening torque, union nut | 5 Nm |
| Tightening torque, counter nut | 5 Nm |
| Number of connections | 4 |
| 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 | 10 mm ... 13 mm |
| Position marking | 1, 2, 3, PE |

Ambient conditions

| | |
|---|-------------------|
| Degree of protection | IP66 |
| | IP68 () |
| | IP69K |
| Ambient temperature (operation) | -40 °C ... 100 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °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 |
|------------------------|---------|

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Mechanical characteristics

| | |
|--------------------------|------|
| Category of shock impact | IK07 |
|--------------------------|------|

Material data

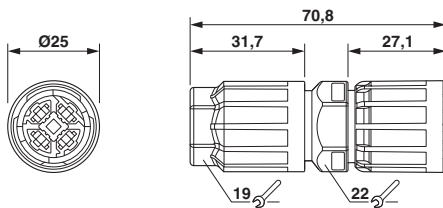
| | |
|--|---------------|
| Contact material | Cu |
| Contact surface material | silver-plated |
| Contact carrier material | PA |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Overvoltage category | III |
| Degree of pollution | 3 |

Standards and Regulations

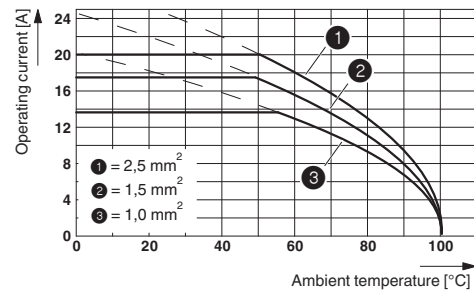
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Drawings

Dimensional drawing



Diagram



Approvals

Approvals

Approvals

GL / VDE approval of drawings / IEC CB Scheme


Ex Approvals


Approval details

Connector - QPD P 3PE1,5 8-13 BK - 1414704

Approvals

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

| | | | |
|--------------------------------|---|---|----------|
| VDE approval of drawings |  | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40029149 |
| | | | |
| mm ² /AWG/kcmil | 0.5-1.5 | | |
| Nominal current I _N | 17.5 A | | |
| Nominal voltage U _N | 690 V | | |

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