

Conductor connectors - QPD C 4PE6,0 2X9-14 BK - 1410410

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QUICKON cable connector, black, 4+PE-pos., 2.5 mm² ... 6.0 mm²/690 V/40 A, for cable diameter of 9 mm ... 14 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 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 STK |
| GTIN | |
| GTIN | 4046356929516 |
| Weight per Piece (excluding packing) | 140.000 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

General

| | |
|-------------------|--------------------|
| Design | QPD 5x6,0 |
| Color | black |
| Locking type | Screw locking |
| Connection method | QUICKON connection |

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Technical data

General

| | |
|---------------------------------------|---------------------|
| | IDC connection |
| Number of positions | 5 |
| Note number of positions | 4+PE |
| Wrench size, union nut | 30 mm |
| Tightening torque, union nut | 15 Nm |
| Conductor cross section flexible min. | 2.5 mm ² |
| Conductor cross section flexible max. | 6 mm ² |
| Conductor cross section solid min. | 2.5 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section AWG min. | 10 |
| Conductor cross section AWG max. | 14 |

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 | 2.95 mm ... 5 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 ... 80 °C |
| Temperature when conductor connected | -5 °C ... 50 °C |

Electrical characteristics

| | |
|--------------------------------|--------|
| Nominal current I _N | 40 A |
| Rated current | 40 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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Technical data

Mechanical characteristics

| | |
|-----------------------------|-----------------------------|
| Insertion/withdrawal cycles | Quickon connections max. 10 |
| Category of shock impact | IK07 |

Material data

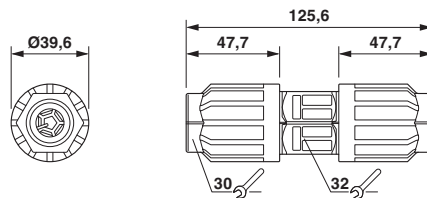
| | |
|--|---------------|
| Contact material | Cu |
| Contact surface material | silver-plated |
| Contact carrier material | PA |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Overvoltage category | III |
| Degree of pollution | 3 |

Standards and Regulations

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

Drawings

Dimensional drawing



Dimensional drawing of QPD C 5x6,0

Approvals

Approvals

Approvals

GL / EAC / EAC / VDE approval of drawings / IECCEB CB Scheme

Ex Approvals


Approval details


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Approvals

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

| | | | |
|-----|---|--|---------------|
| EAC |  | | EAC-Zulassung |
|-----|---|--|---------------|

| | | | |
|-----|---|--|---------------|
| EAC |  | | EAC-Zulassung |
|-----|---|--|---------------|

| | | | |
|--------------------------------|---|---|----------|
| VDE approval of drawings |  | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40029149 |
| mm ² /AWG/kcmil | | 2.5-6.0 | |
| Nominal current I _N | | 40 A | |
| Nominal voltage U _N | | 690 V | |

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