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Conductor connectors - QPD C 4PE6,0 2X12-20 BK - 1410412

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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 12 mm ... 20 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 |  4 046356 929523 |

Technical data

General

| | |
|---------------------------------------|---------------------|
| Type | QPD 5x6,0 |
| Color | black |
| Locking type | Screw locking |
| Connection method | QUICKON connection |
| | IDC connection |
| Number of positions | 5 |
| Note number of positions | 4+PE |
| Wrench size, union nut | 30 mm |
| Tightening torque, union nut | 10 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 |

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Technical data

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 |
| External cable diameter | 12 mm ... 20 mm |

Ambient conditions

| | |
|---|-------------------|
| Degree of protection | IP68 (2 m / 24 h) |
| | IP69K |
| Ambient temperature (operation) | -40 °C ... 80 °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 |
| Insertion/withdrawal cycles | Quickon connections max. 10 |

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 |
|--|----|

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 8.0 | 27440605 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC000516 |
| ETIM 5.0 | EC002560 |

Approvals

Approvals

Approvals

GL / EAC / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

GL

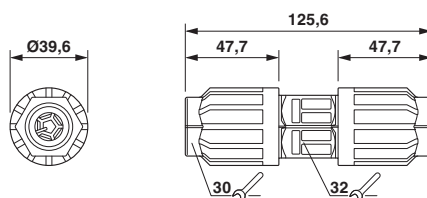
EAC

EAC

EAC

Drawings

Dimensional drawing



Dimensional drawing of QPD C 5x6,0

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