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

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QUICKON cable connector, black, 4+PE-pos., $2.5 \mathrm{~mm}^{2} \ldots 6.0 \mathrm{~mm}^{2} / 690 \mathrm{~V} / 40 \mathrm{~A}$, for cable diameter of $9 \mathrm{~mm} . .14$ 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 |
| :--- | :--- |
| Weight per Piece (excluding packing) | 140.0 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

## 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 |

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## Technical data

General

| Wrench size, union nut | 30 mm |
| :--- | :--- |
| Tightening torque, union nut | 10 Nm |
| Conductor cross section flexible min. | $2.5 \mathrm{~mm}^{2}$ |
| Conductor cross section flexible max. | $6 \mathrm{~mm}^{2}$ |
| Conductor cross section solid min. | $2.5 \mathrm{~mm}^{2}$ |
| Conductor cross section solid max. | $6 \mathrm{~mm}^{2}$ |
| 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 $6 / \mathrm{min} .0 .15 \mathrm{~mm}$ |
| :--- | :--- |
| Wire insulation material | PVC/PE/TPE/rubber |
| External cable diameter | $9 \mathrm{~mm} \ldots 14 \mathrm{~mm}$ |

Ambient conditions

| Degree of protection | IP68 () |
| :--- | :--- |
|  | IP69K |
| Ambient temperature (operation) | $-40^{\circ} \mathrm{C} \ldots 80^{\circ} \mathrm{C}$ |
| Ambient temperature (storage/transport) | $-40^{\circ} \mathrm{C} \ldots 80^{\circ} \mathrm{C}$ |
| Temperature when conductor connected | $-5^{\circ} \mathrm{C} \ldots 50^{\circ} \mathrm{C}$ |

## Electrical characteristics

| Nominal current $\mathrm{I}_{\mathrm{N}}$ | 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 |

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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

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

Drawings

Dimensional drawing


Dimensional drawing of QPD C 5x6,0
Classifications
eCl@ss

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

ETIM

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

## Approvals

Approvals

Approvals
GL / EAC / EAC / EAC

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## Approvals

Ex Approvals

Approvals submitted

Approval details

GL

EAC

EAC

EAC

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