

## Conductor connectors - QPD C 2PE1,5 2X8-13 BK - 1414702

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Conductor connectors, QUICKON connection, No. of pos.: 2+PE, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, 690 V, 17.5 A, black, With two QUICKON nuts, Cable diameter: 8 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 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    |
| Custom tariff number | 85366990 |
| Country of origin    | Poland   |

### Technical data

#### General

|                              |                    |
|------------------------------|--------------------|
| Type                         | QPD 3x1,5          |
| Color                        | black              |
| Locking type                 | Screw locking      |
| Connection method            | QUICKON connection |
|                              | IDC connection     |
| Number of positions          | 3                  |
| Note number of positions     | 2+PE               |
| Tightening torque, union nut | 5 Nm               |

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### Technical data

#### General

|                                       |                     |
|---------------------------------------|---------------------|
| Tightening torque, counter nut        | 5 Nm                |
| Conductor cross section flexible min. | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible max. | 1.5 mm <sup>2</sup> |
| Conductor cross section solid min.    | 0.5 mm <sup>2</sup> |
| Conductor cross section solid max.    | 1.5 mm <sup>2</sup> |
| 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                  |
| External cable diameter   | 8 mm ... 13 mm                     |

#### Ambient conditions

|   |                  |
|---|------------------|
| Degree of protection                    | IP68 ()          |
|   | 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 <sub>N</sub> | 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) |

#### Material data

|  |               |
|--|---------------|
| Contact material                       | Cu            |
| Contact surface material               | silver-plated |
| Contact carrier material               | PA            |
| Insulating material                    | PA            |
| Flammability rating according to UL 94 | V0            |

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## Technical data

### Material data

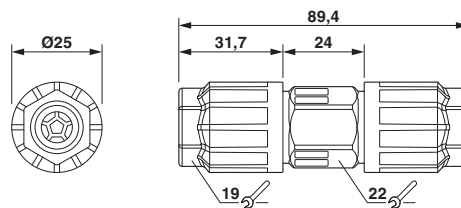
|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Standards and Regulations

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

## Drawings

Dimensional drawing



Dimensional drawing

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 8.0 | 27440605 |
| eCl@ss 9.0 | 27440605 |

ETIM

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

## Approvals

Approvals

Approvals

GL

Ex Approvals

## Conductor connectors - QPD C 2PE1,5 2X8-13 BK - 1414702

### Approvals

Approvals submitted

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### Approval details

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| GL |
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