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Conductor connectors, QUICKON connection, No. of pos.: 3+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

| Color                          | black              |
|--------------------------------|--------------------|
| Locking type                   | Screw locking      |
| Connection method              | QUICKON connection |
|                                | IDC connection     |
| Number of positions            | 4                  |
| Note number of positions       | 3+PE               |
| Tightening torque, union nut   | 5 Nm               |
| Tightening torque, counter nut | 5 Nm               |



## Technical data

### General

| Conductor cross section flexible min. | 0.5 mm² |
|---------------------------------------|---------|
| Conductor cross section flexible max. | 1.5 mm² |
| Conductor cross section solid min.    | 0.5 mm² |
| Conductor cross section solid max.    | 1.5 mm² |
| 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            |
| Overvoltage category                   | III           |



## Technical data

### Material data

| Degree of pollution | 2 |  |
|---------------------|---|--|
| Degree of pollution | J |  |
| ,                   |   |  |

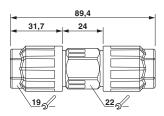
## Standards and Regulations

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

# Drawings

### Dimensional drawing





Dimensional drawing

## Classifications

## eCl@ss

| eCl@ss 5.1 | 27260701 |
|------------|----------|
| eCl@ss 6.0 | 27261202 |
| eCl@ss 8.0 | 27440605 |
| eCl@ss 9.0 | 27440605 |

### **ETIM**

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

# Approvals

Approvals

Approvals

GL

Ex Approvals



| Approvals submitted |  |  |
|---------------------|--|--|
| Approval details    |  |  |
| GI                  |  |  |

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Approvals