# Conductor connectors - QPD C 4X2,5/2X6-10 GY - 1582393

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QUICKON cable connector, gray, 4-pos. without PE, 1.0 mm² ... 2.5 mm² / 630 V / 20 A, for cable diameters of 6 mm ... 10 mm.

## Key commercial data

| | |
|---|---|
| Packing unit | 1 PCE |
| Weight per Piece (excluding packing) | 80.0 GRM |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

## Technical data

### General

| | |
|---|---|
| Design | QPD 4x2,5 |
| Color | gray |
| Locking type | Screw locking |
| Connection method | QUICKON connection |
| | IDC connection |
| Number of positions | 4 |
| Wrench size, union nut | 22 mm |
| Tightening torque, union nut | 5 Nm |
| Conductor cross section stranded min. | 1.5 mm² |
| Conductor cross section stranded max. | 2.5 mm² |
| Conductor cross section solid min. | 1 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section AWG/kcmil min. | 16 |
| Conductor cross section AWG/kcmil max | 14 |

### Conductor

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## Technical data

### Conductor

| | |
|---|---|
| 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 |
| Wire diameter including insulation | 2.5 mm ... 3.8 mm |
| External cable diameter | 6 mm ... 10 mm |

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP68 (2 m / 24 h) |
| 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 $I_N$ | 20 A |
| Rated current | 20 A |
| Rated voltage (III/3) | 630 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 | 50 (Quickon connections max. 10) |

### Material data

| | |
|---|---|
| Contact material | CuZn |
| Contact surface material | Tin-plated |
| Contact carrier material | PA |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Surge voltage category | III |
| Pollution degree | 3 |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |

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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440209 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC000437 |
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | EC000437 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |

## Approvals

### Approvals

Approvals

VDE Zeichengenehmigung / UL Listed / cUL Listed / GOST / cULus Listed

Ex Approvals

Approvals submitted

### Approval details

VDE Zeichengenehmigung

| | |
|---|---|
| mm²/AWG/kcmil | 1.5-2.5 |

# Conductor connectors - QPD C 4X2,5/2X6-10 GY - 1582393

## Approvals

| | |
|---|---|
| Nominal current IN | 20 A |
| Nominal voltage UN | 690 V |

UL Listed

cUL Listed

GOST

cULus Listed

## Accessories

### Accessories

### Device marking

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, Unlabeled, Can be labeled with: Engraving, Plotter, Mounting type: Adhesive, Lettering field: 13 x 9 mm

### Sealing plugs

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 10 mm

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## Accessories

### Socket spanner

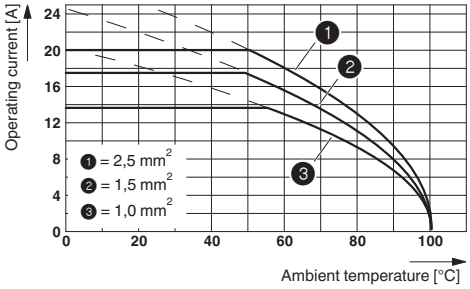
Socket wrench - QSS 22 - 1670206



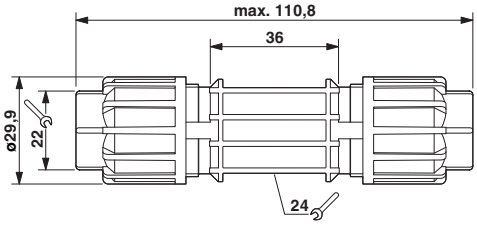
Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

## Drawings

Diagram




Dimensioned drawing




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