

## Connector - QPD P 4X2,5 9-14 GY - 1582379

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QUICKON connector, gray, 4-pos. without PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>/630 V/20 A, for cables with a diameter of 9 mm ... 14 mm.



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 PCE    |
| Weight per Piece (excluding packing) | 40.0 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                |
| Number of connections                  | 4                   |
| Conductor cross section stranded min.  | 1.5 mm <sup>2</sup> |
| Conductor cross section stranded max.  | 2.5 mm <sup>2</sup> |
| Conductor cross section solid min.     | 1 mm <sup>2</sup>   |
| Conductor cross section solid max.     | 1.5 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 16                  |
| Conductor cross section AWG/kcmil max  | 14                  |

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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                                                     | 9 mm ... 14 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      |

### 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 | EC001121 |
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

#### 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

##### Ex Approvals

##### Approvals submitted

#### Approval details

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

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### Approvals

|                                |       |
|--------------------------------|-------|
| Nominal current I <sub>N</sub> | 20 A  |
| Nominal voltage U <sub>N</sub> | 690 V |

### Accessories

#### Accessories

#### Coding element

Coding profile - CP-QPD - 1582459



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

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### Device marking

Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, Unlabeled, Can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: 13 x 9 mm

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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

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### Protective cap

Protective cap - QPD PSK 2,5 - 1582151



Protective cap made of transparent plastic for QPD connectors 4x 2.5 mm², IP50.

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### Accessories

#### Seal

Grommet - KV-DI-PG16-1XASI - 1582462



Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

Grommet - KV-DI-PG16-2XASI - 1582464



Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

#### Socket spanner

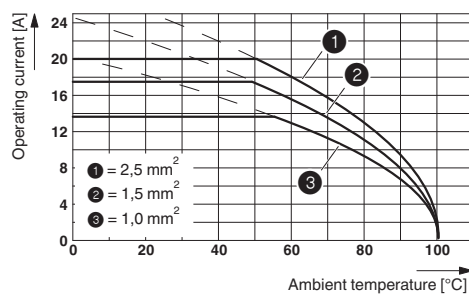
Socket wrench - QSS 22 - 1670206



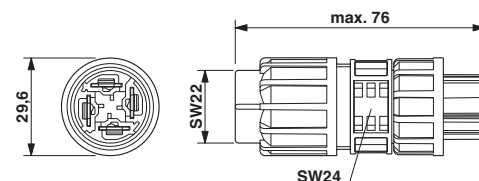
Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

### Drawings

Diagram

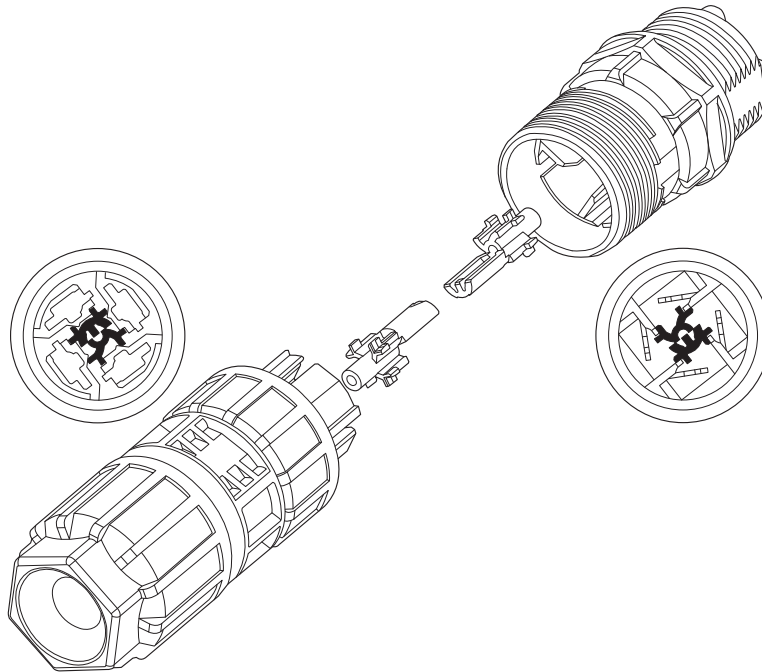


Dimensioned drawing



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Schematic diagram



Coding of the QUICKON plug-in connection

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