

## Conductor connectors - QPD CW 3PE2,5 2X9-14 BK - 1582539

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Cable connector panel feed-through, two-sided with QPD nut, black, 3+ PE pos., 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>/630 V/20 A, for cable diameters of 9 mm ... 14 mm.

### Your advantages

- ✓ 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 pc  |
| GTIN                                 | <br>4 046356 552479 |
| GTIN                                 | 4046356552479   |
| Weight per Piece (excluding packing) | 80.000 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### General

|                   |                    |
|-------------------|--------------------|
| Type              | QPD 4x2,5          |
| Color             | black              |
| Locking type      | Screw locking      |
| Connection method | QUICKON connection |

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## Technical data

### General

|                                       |                     |
|---------------------------------------|---------------------|
|                                       | IDC connection      |
| Number of positions                   | 4                   |
| Note number of positions              | 3+PE                |
| Wrench size, union nut                | 22 mm               |
| Tightening torque, union nut          | 5 Nm                |
| Tightening torque, counter nut        | 5 Nm                |
| Wrench size, counter nut              | 27 mm               |
| Number of connections                 | 10                  |
| Conductor cross section flexible min. | 1 mm <sup>2</sup>   |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section solid min.    | 1 mm <sup>2</sup>   |
| Conductor cross section solid max.    | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 16                  |
| 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/min. 0.15 mm                                   |
| Wire insulation material  | PVC/PE/TPE/rubber  |
| Wire diameter including insulation  | 2 mm ... 3.8 mm  |
| External cable diameter   | 6 mm ... 10 mm (Order Quickon nuts or Quickon connectors separately) |
| Position marking  | 1, 2, 3, PE  |

### Ambient conditions

|   |                   |
|---|-------------------|
| Degree of protection                    | IP66              |
|   | IP68 (2 m / 24 h) |
|   | IP69K             |
| Ambient temperature (operation)         | -40 °C ... 100 °C |
| Ambient temperature (storage/transport) | -40 °C ... 100 °C |
| Temperature when conductor connected    | -5 °C ... 50 °C   |

### Electrical characteristics

|                                |        |
|--------------------------------|--------|
| Nominal current I <sub>N</sub> | 20 A   |
| Rated current                  | 20 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   |

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### Technical data

#### Mechanical characteristics

|                             |                                     |
|-----------------------------|-------------------------------------|
| QUICKON connectability      | max. 10                             |
| Insertion/withdrawal cycles | >= 50 (QUICKON connections max. 10) |
| Category of shock impact    | IK07                                |

#### 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           |
| Degree of pollution                    | 3             |

#### Standards and Regulations

|  |    |
|--|----|
| Halogen-free                           | no |
| Flammability rating according to UL 94 | V0 |

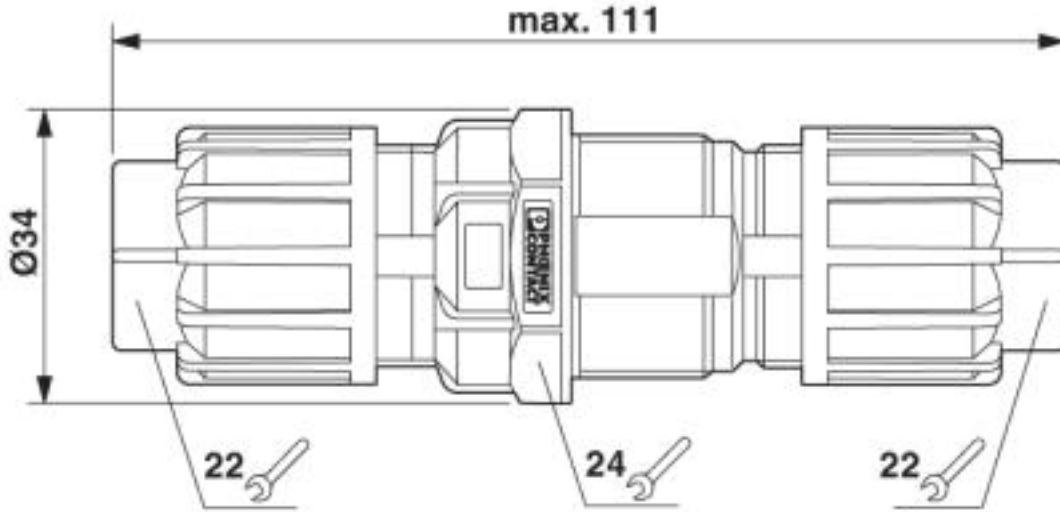
#### Environmental Product Compliance

|            |   |
|------------|---|
|            | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

# Conductor connectors - QPD CW 3PE2,5 2X9-14 BK - 1582539

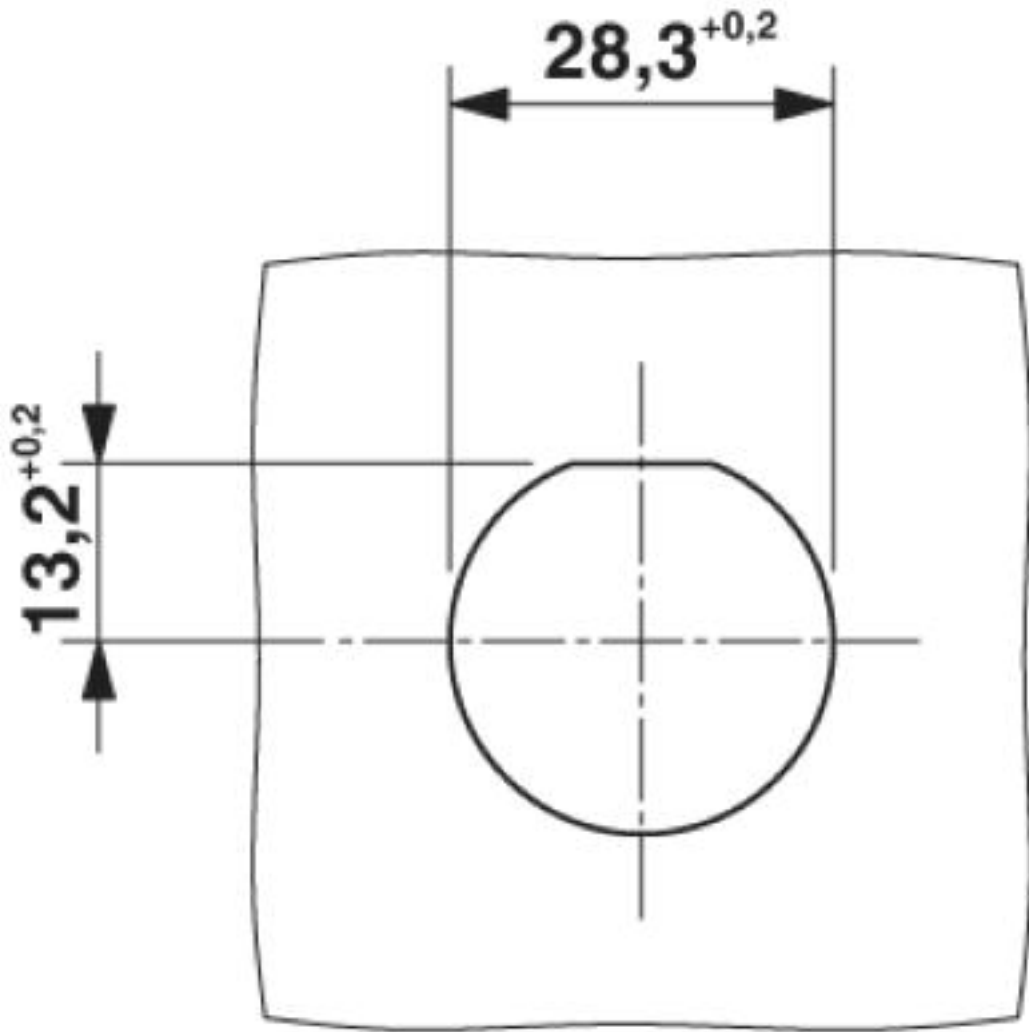
Dimensional drawing



Dimensional drawing

# Conductor connectors - QPD CW 3PE2,5 2X9-14 BK - 1582539

Dimensional drawing



Panel cutout

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140800 |
| eCl@ss 4.1 | 27140800 |
| eCl@ss 5.0 | 27143400 |
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27143400 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440605 |
| eCl@ss 8.0 | 27440605 |
| eCl@ss 9.0 | 27440605 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000516 |
| ETIM 5.0 | EC002560 |
| ETIM 6.0 | EC002560 |
| ETIM 7.0 | EC002560 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121402 |

## Approvals


### Approvals


#### Approvals

IECEE CB Scheme / VDE Zeichengenehmigung / EAC / DNV GL

#### Ex Approvals

### Approval details

|                 |   |   |           |
|-----------------|---|---|-----------|
| IECEE CB Scheme |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58228 |
|-----------------|---|---|-----------|

|                        |   |   |          |
|------------------------|---|---|----------|
| VDE Zeichengenehmigung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40029149 |
| Nominal voltage UN     | 690 V   |   |          |

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### Approvals

|                                |         |
|--------------------------------|---------|
| Nominal current I <sub>N</sub> | 20 A    |
| mm <sup>2</sup> /AWG/kcmil     | 1.5-2.5 |

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.AI30.B.01102 |
|-----|--|--------------------------|

|        |  |   |            |
|--------|--|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE00003J5 |
|--------|--|---|------------|

### 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.

### Device marking

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, unlabeled, can be labeled with: PLOTMARK, ENGRAVING UNIT, CMS-P1-PLOTTER, P1 ENGRAVING UNIT, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 120

### Installation pressure nut

Nut - QPD N 2,5 6-10 BK - 1582226



Nut, QUICKON connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, black, cable diameter range: 6 mm ... 10 mm

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### Accessories

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Nut - QPD N 2,5 9-14 BK - 1582229



Nut, QUICKON connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, black, cable diameter range: 9 mm ... 14 mm

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### Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488

Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68



### Seal

Seal - 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

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Seal - 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

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### Sealing plugs

## Conductor connectors - QPD CW 3PE2,5 2X9-14 BK - 1582539

### Accessories

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap, material: PA, for threads pluggable, color: red

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### Socket spanner

Socket wrench - QSS 22 - 1670206



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

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Connector - QPD P 3PE2,5 6-10 BK - 1582202



Connector, QUICKON connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, black, cable diameter range: 6 mm ... 10 mm

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Connector - QPD P 3PE2,5 9-14 BK - 1582205



Connector, QUICKON connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, black, cable diameter range: 9 mm ... 14 mm

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