

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 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 maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 618045 |
| GTIN | 4046356618045 |

Technical data

General

| | |
|---------------------------------------|--------------------------------------|
| Type | QPD 3PEx2,5 |
| Color | black |
| Locking type | Screw locking |
| Connection method | QUICKON connection IDC connection |
| Number of positions | 4 |
| Note number of positions | 3+PE |
| Wrench size, union nut | 22 mm |
| Tightening torque, union nut | 5 Nm |
| Number of connections | 4 |
| Conductor cross section flexible min. | 1 mm ² |

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Technical data

General

| | |
|---------------------------------------|---------------------|
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section solid min. | 1 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| 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 | 9 mm ... 14 mm |
| 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 ... 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) | 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 | 50 |
| 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 |

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Technical data

Material data

| | |
|---------------------|---|
| Degree of pollution | 3 |
|---------------------|---|

Standards and Regulations

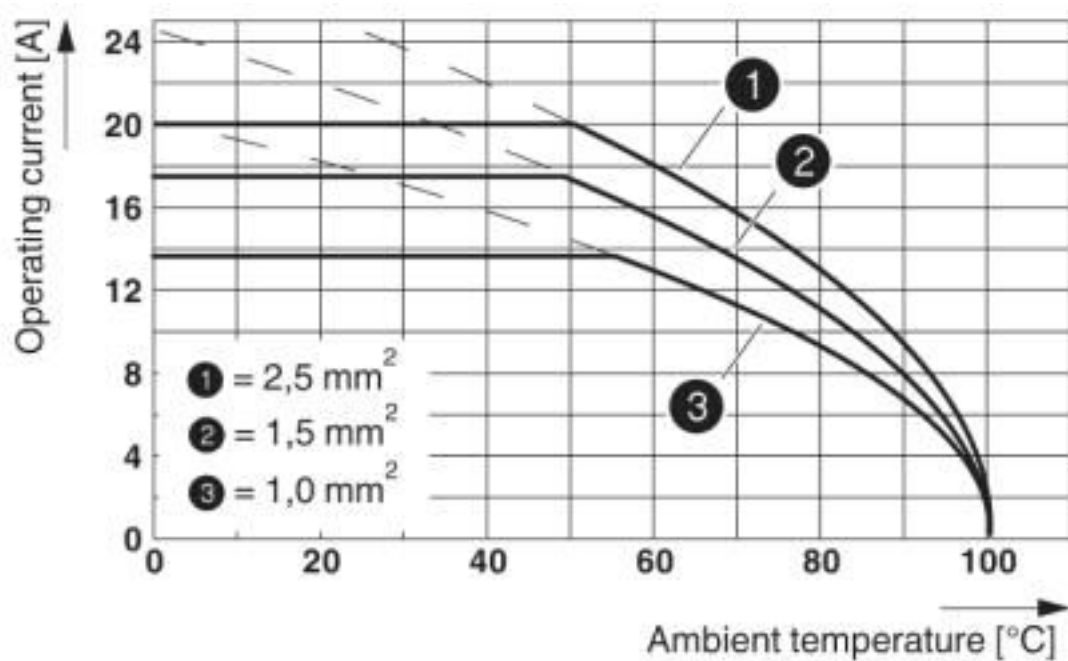
| | |
|--|------|
| Category of shock impact | IK07 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

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

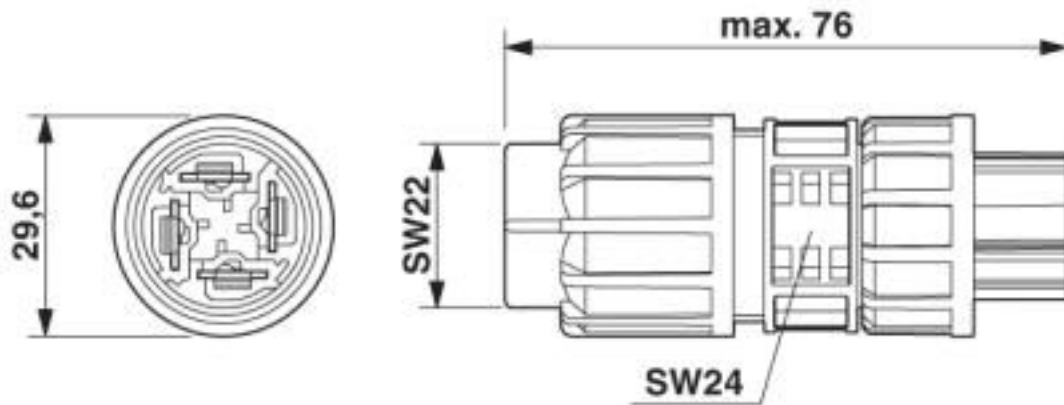
Drawings

Diagram



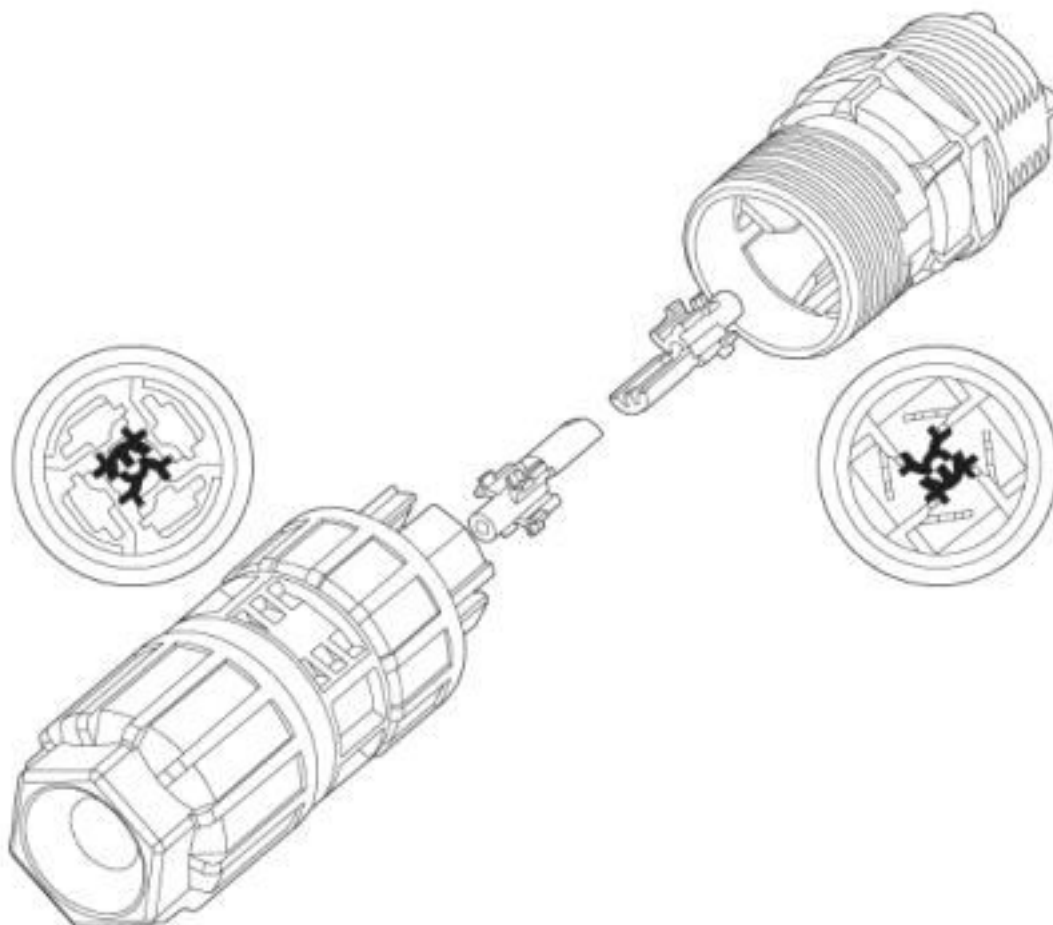
Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Dimensional drawing



Dimensional drawing: connector, 2.5 mm²

Schematic diagram



Coding of the QUICKON plug-in connection

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440602 |
| 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 |
| eCl@ss 7.0 | 27440605 |
| eCl@ss 8.0 | 27440605 |
| eCl@ss 9.0 | 27440602 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002560 |
| ETIM 6.0 | EC002566 |
| ETIM 7.0 | EC002566 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |
| UNSPSC 18.0 | 39121522 |
| UNSPSC 19.0 | 39121522 |
| UNSPSC 20.0 | 39121522 |
| UNSPSC 21.0 | 39121522 |

Approvals

Approvals

Approvals

EAC / EAC / DNV GL / IECCEB Scheme / UL Listed / cUL Listed / VDE Zeichengenehmigung / UL Listed / cUL Listed

Ex Approvals

Approval details

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Approvals

| | | | |
|-----|--|--|--------------------------|
| EAC | | | RU C- DE.AI30.B.01102 |
|-----|--|--|--------------------------|

| | | | |
|-----|--|--|--------------------------|
| EAC | | | RU C- DE.BL08.B.00511 |
|-----|--|--|--------------------------|

| | | | |
|--------|--|---|------------|
| DNV GL | | https://approvalfinder.dnvgl.com/ | TAE00003J5 |
|--------|--|---|------------|

| | | | |
|-----------------|--|---|-----------|
| IECEE CB Scheme | | http://www.iecee.org/ | DE1-58228 |
|-----------------|--|---|-----------|

| | | | |
|-----------|--|---|---------------|
| UL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
|-----------|--|---|---------------|

| | | | |
|------------|--|---|---------------|
| cUL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
|------------|--|---|---------------|

| | | | |
|------------------------|--|---|----------|
| VDE Zeichengenehmigung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40029149 |
|------------------------|--|---|----------|

| | |
|----------------------------|---------|
| Nominal voltage UN | 690 V |
| Nominal current IN | 20 A |
| mm ² /AWG/kcmil | 1.5-2.5 |

| | | | |
|-----------|--|---|---------------|
| UL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 468743 |
|-----------|--|---|---------------|

| | |
|----------------------------|-------|
| Nominal voltage UN | 600 V |
| Nominal current IN | 15 A |
| mm ² /AWG/kcmil | 14 |

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Approvals

| | | | |
|--------------------|--|---|---------------|
| cUL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 468743 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 15 A | |
| mm²/AWG/kcmil | | 14 | |

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

Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 500

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

Protective cap

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

Accessories

Protective cap - QPD PSK 2,5 - 1582151



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

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

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

Socket spanner

Socket wrench - QSS 22 - 1670206



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

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[1203259](#) [1893300](#) [1212619](#) [1927221](#) [1936102](#) [1730573](#) [3240366](#) [3240367](#) [1014246](#) [1014236](#) [1014240](#) [1014290](#) [1014293](#) [1806193](#)
[1823655](#) [1912825](#) [1842254](#) [1768260](#) [1716373](#) [1648030](#) [1579051](#) [1014235](#) [1014239](#) [1014229](#) [1212378](#) [2800744](#) [3006564](#) [2800741](#)
[5146480](#) [1623633](#) [1507793](#) [3025587](#) [3069708](#) [1431461](#) [1586976](#) [0311647](#) [1460160](#) [1771338](#) [3048387](#) [2814605](#) [0309086](#) [1513716](#)
[3035684](#) [5451417](#) [0202219](#) [1647747](#) [1730667](#) [1709267](#) [5449018](#) [0311634](#)