

## Conductor connectors - QPD C 3PE2,5 1X6-10 BK - 1582220

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QUICKON cable connector, black, 3-pos. +PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 630 V / 20 A, for cable diameters of 6 mm ... 10 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 pc
GTIN	 4 046356 316965
Weight per Piece (excluding packing)	44.2 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 IDC connection
Number of positions	4
Note number of positions	3+PE
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Conductor cross section stranded min.	1 mm <sup>2</sup>

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## Technical data

### General

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.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	14

### 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/TPE/rubber
Wire diameter including insulation	2.5 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm (Order Quickon nuts or Quickon connectors separately)

### Ambient conditions

Degree of protection	IP68 (2 m / 24 h)
	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>	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 (Quickon connections max. 10)

### Material data

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

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## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
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	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC000516

### 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 / GL / cULus Listed

#### Ex Approvals

#### Approvals submitted

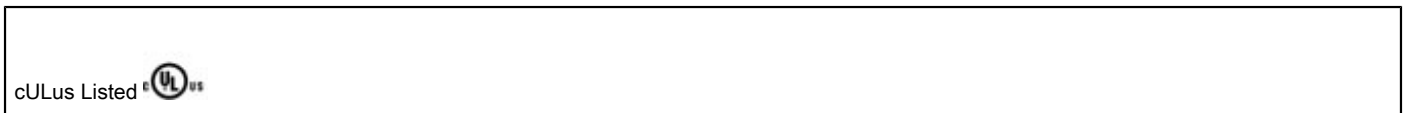
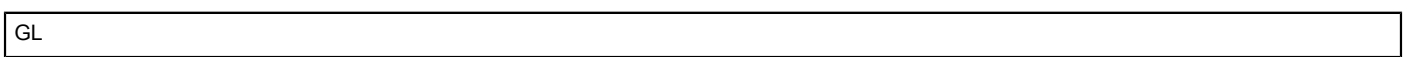
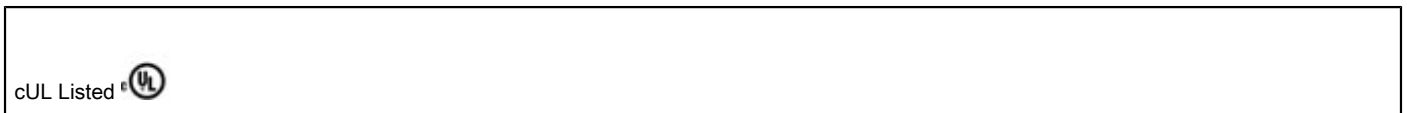
### Approval details

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

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## Approvals

Nominal voltage UN	690 V
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## 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: Engraving, Plotter, Mounting type: Adhesive, Lettering field: 13 x 9 mm

### Installation connector

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### Accessories

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



QUICKON-connector, black, 3+PE-pos., 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>/630 V/20 A, with QUICKON nut, for cables with a diameter of 6 mm ... 10 mm.

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



QUICKON connector, black, 3+PE-pos., 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>/630 V/20 A, with QUICKON nut, for cables with a diameter of 9 mm ... 14 mm.

### Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488

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



### 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

### Socket spanner

Socket wrench - QSS 22 - 1670206

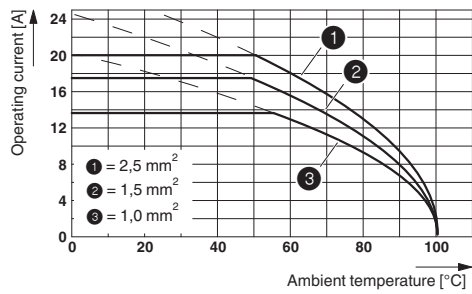


Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

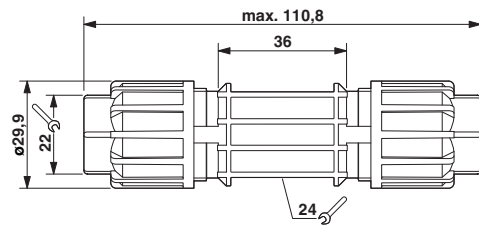
### Drawings

## Conductor connectors - QPD C 3PE2,5 1X6-10 BK - 1582220

Diagram



Dimensioned drawing



Dimensional drawing