

## Conductor connectors - QPD C 3PE2,5 2X9-14 BK - 1582214

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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 9 mm ... 14 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 STK
Weight per Piece (excluding packing)	60.0 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

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### Technical data

#### General

Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
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	2.5 mm ... 3.8 mm
External cable diameter	9 mm ... 14 mm

#### Ambient conditions

Degree of protection	IP68 ()
	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

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## Technical data

### Material data

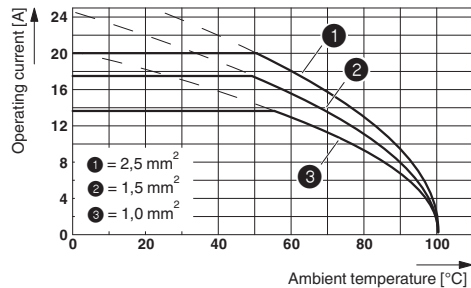
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

### Standards and Regulations

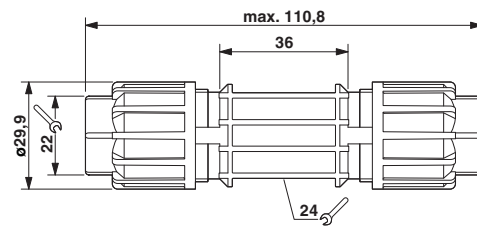
Flammability rating according to UL 94	V0
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## Drawings

Diagram



Dimensional drawing



Dimensional drawing

## 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	27440605

### ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002560

### UNSPSC

UNSPSC 6.01	30211923
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## Classifications

### UNSPSC

UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals


#### Approvals


VDE Zeichengenehmigung / UL Listed / cUL Listed / GL / EAC / UL Listed / cULus Listed

#### Ex Approvals

#### Approvals submitted

## Approval details

VDE Zeichengenehmigung 	
mm <sup>2</sup> /AWG/kcmil	1.0-2.5
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	690 V

UL Listed 	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	15 A
Nominal voltage U <sub>N</sub>	600 V

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## Approvals

cUL Listed	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	15 A
Nominal voltage U <sub>N</sub>	600 V

GL

EAC

UL Listed

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 14X22 RD - 1400270



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 14 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