

Conductor connectors - QPD C 3PE2,5 1X9-14 BK - 1582223

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Conductor connectors, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, with one QUICKON nut, cable diameter range: 9 mm ... 14 mm, QUICKON fast connection

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	
GTIN	4046356316972
Weight per Piece (excluding packing)	49.000 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

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
Tightening torque, counter nut	5 Nm
Conductor cross section flexible min.	1 mm ²
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 (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 _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 (QUICKON connections max. 10)
Category of shock impact	IK07

Material data

Contact material	Cu
Contact surface material	silver-plated

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Technical data

Material data

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

Standards and Regulations

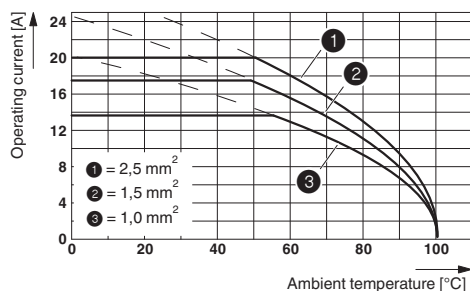
Halogen-free	no
Flammability rating according to UL 94	V0

Environmental Product Compliance

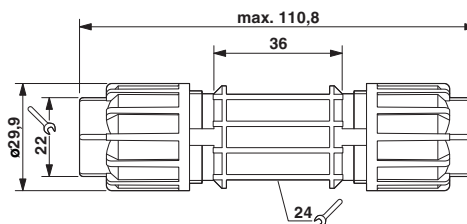
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440605
eCl@ss 8.0	27440605
eCl@ss 9.0	27440605

ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC000516

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Classifications

ETIM

ETIM 5.0	EC002560
ETIM 6.0	EC002560

UNSPSC

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

Approvals


Approvals


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UL Listed / cUL Listed / GL / UL Listed / IEC60384-1 / IEC60384-2 / IEC60384-3 / IEC60384-4 / IEC60384-5 / IEC60384-6 / IEC60384-7 / IEC60384-8 / IEC60384-9 / IEC60384-10 / IEC60384-11 / IEC60384-12 / IEC60384-13 / IEC60384-14 / IEC60384-15 / IEC60384-16 / IEC60384-17 / IEC60384-18 / IEC60384-19 / IEC60384-20 / IEC60384-21 / IEC60384-22 / IEC60384-23 / IEC60384-24 / IEC60384-25 / IEC60384-26 / IEC60384-27 / IEC60384-28 / IEC60384-29 / IEC60384-30 / IEC60384-31 / IEC60384-32 / IEC60384-33 / IEC60384-34 / IEC60384-35 / IEC60384-36 / IEC60384-37 / IEC60384-38 / IEC60384-39 / IEC60384-40 / IEC60384-41 / IEC60384-42 / IEC60384-43 / IEC60384-44 / IEC60384-45 / IEC60384-46 / IEC60384-47 / IEC60384-48 / IEC60384-49 / IEC60384-50 / IEC60384-51 / IEC60384-52 / IEC60384-53 / IEC60384-54 / IEC60384-55 / IEC60384-56 / IEC60384-57 / IEC60384-58 / IEC60384-59 / IEC60384-60 / IEC60384-61 / IEC60384-62 / IEC60384-63 / IEC60384-64 / IEC60384-65 / IEC60384-66 / IEC60384-67 / IEC60384-68 / IEC60384-69 / IEC60384-70 / IEC60384-71 / IEC60384-72 / IEC60384-73 / IEC60384-74 / IEC60384-75 / IEC60384-76 / IEC60384-77 / IEC60384-78 / IEC60384-79 / IEC60384-80 / IEC60384-81 / IEC60384-82 / IEC60384-83 / IEC60384-84 / IEC60384-85 / IEC60384-86 / IEC60384-87 / IEC60384-88 / IEC60384-89 / IEC60384-90 / IEC60384-91 / IEC60384-92 / IEC60384-93 / IEC60384-94 / IEC60384-95 / IEC60384-96 / IEC60384-97 / IEC60384-98 / IEC60384-99 / IEC60384-100

Ex Approvals

Approval details

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	

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	
mm ² /AWG/kcmil		14	

GL		http://exchange.dnv.com/tari/	6195914 HH
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Approvals

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474
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IECEE CB Scheme		http://www.iecee.org/	DE1-58228
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474
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VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
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Nominal voltage UN	690 V
Nominal current IN	20 A
mm ² /AWG/kcmil	1.5-2.5

EAC		RU C-DE.AI30.B.01102
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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

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Accessories

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

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 14X22 RD - 1400270



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

Socket spanner

Socket wrench - QSS 22 - 1670206



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

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



Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 6 mm ... 10 mm

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Accessories

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



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