

Conductor connectors - QPD C 2PE1,5 2X4-9 BK - 1414700

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>)



Conductor connectors, QUICKON connection, number of positions: 2+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, With two QUICKON nuts, cable diameter range: 5 mm ... 9.5 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	4055626031620
Weight per Piece (excluding packing)	40.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Type	QPD 3x1,5
Color	black
Locking type	Screw locking
Connection method	QUICKON connection

Conductor connectors - QPD C 2PE1,5 2X4-9 BK - 1414700

Technical data

General

	IDC connection
Number of positions	3
Note number of positions	2+PE
Tightening torque, union nut	8 Nm
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	16

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	1.6 mm ... 3 mm
External cable diameter	5 mm ... 9.5 mm
Position marking	1, 2, 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	17.5 A
Rated current	17.5 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	> 10 (QUICKON connections max. 10)

Conductor connectors - QPD C 2PE1,5 2X4-9 BK - 1414700

Technical data

Mechanical characteristics

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

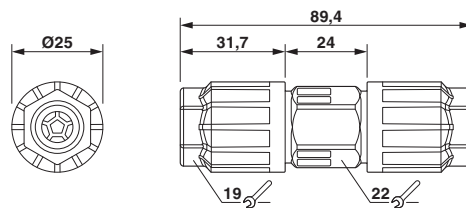
Halogen-free	yes
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

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

Conductor connectors - QPD C 2PE1,5 2X4-9 BK - 1414700

Classifications

ETIM

ETIM 5.0	EC002560
ETIM 6.0	EC002560

UNSPSC

UNSPSC 13.2	39121402
-------------	----------

Approvals

Approvals


Approvals


GL / IECCEB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals


Approval details

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

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

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	17.5 A
mm ² /AWG/kcmil	0.5-1.5

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

Conductor connectors - QPD C 2PE1,5 2X4-9 BK - 1414700

Accessories

Accessories

Coding element

Coding profile - CP-QPD 3/4X1,5 - 1414729



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

Protective cap

Protective cap - QPD QSK BK 3/4X1,5 FS - 1414722



Protective cap, plastic, for QUICKON connection, black, with retaining cord, IP68

Protective cap - QPD QSK 3/4X1,5 - 1414723



Protective cap plastic, for QPD-QUICKON connection 3(4) x 1.5 mm², IP50

Sealing plugs

Closing cap - SEALING PLUG 7X16 RD - 1400255



Closing cap, PA, color: red