

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



1582223

<https://www.phoenixcontact.com/pc/products/1582223>

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 documentation. Our general terms of use for downloads are valid.



Conductor connectors, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with one QUICKON nut, external cable diameter: 9 mm ... 14 mm

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with 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

Commercial data

Item number	1582223
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF6CBB
Catalog page	Page 477 (C-2-2017)
GTIN	4046356316972
Weight per piece (including packing)	50 g
Weight per piece (excluding packing)	49 g
Customs tariff number	85366990
Country of origin	DE

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



1582223

<https://www.phoenixcontact.com/pc/products/1582223>

Technical data

Mounting

Wrench size	22 mm
-------------	-------

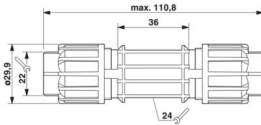
Product properties

Type	QPD 4x2,5
Product type	Cable connector
Product family	QPD
Number of positions	4
Connection profile	3+PE
Position marking	1, 2, 3, PE
Number of connections per position	1
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	29.9 mm
Height	29.9 mm
Length	74.4 mm
Diameter	29.9 mm
Wrench size for mounting	22 mm

Connection data

Connection technology

Frequency of connections between conductors of the same cross section	max. 10
---	---------

Conductor connection

Tightening torque	5 Nm
	5 Nm
Tightening torque Union nut	5 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	22 mm

Electrical properties

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



1582223

<https://www.phoenixcontact.com/pc/products/1582223>

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	20 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal voltage U_N	690 V
Nominal current I_N	20 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
-----------------------------	---------

Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Contact	Cu
Material Contact surface	Silver-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE / rubber / TPE

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter ()	9 mm ... 14 mm (Order Quickon nuts or Quickon connectors separately)
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, PE
Material wire insulation	PVC / PE / rubber / TPE
Halogen-free	no

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

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

1582223

<https://www.phoenixcontact.com/pc/products/1582223>



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com