QPD C 2PE1,5 2X8-13 BK - Conductor connector

1414702

https://www.phoenixcontact.com/us/products/1414702

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Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 2+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 10 mm ... 13 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	1414702
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6CAA
Catalog page	Page 475 (C-2-2019)
GTIN	4055626031644
Weight per piece (including packing)	43.3 g
Weight per piece (excluding packing)	42.2 g
Customs tariff number	85366990
Country of origin	PL

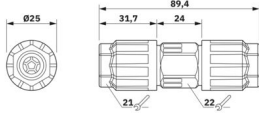# QPD C 2PE1,5 2X8-13 BK - Conductor connector

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Technical data

Product properties

Product type	Cable connector
Product family	QPD
Type	QPD 3x1,5
Number of positions	3
Connection profile	2+PE
Position marking	1, 2, PE
Number of connections per position	1
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	25 mm
Height	25 mm
Length	89.4 mm
Diameter	25 mm

Connection data

Connection technology

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

Conductor connection

Tightening torque	8 Nm
	5 Nm
Tightening torque Union nut	8 Nm
Tightening torque Locking nut	5 Nm

Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	17.5 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 AC
	690 V DC
Nominal current I_N	17.5 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/TPE/rubber

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	10 mm ... 13 mm
Wire diameter including insulation	1.6 mm ... 3 mm
Position marking	1, 2, PE
Halogen-free	yes

Environmental and real-life conditions

Ambient conditions

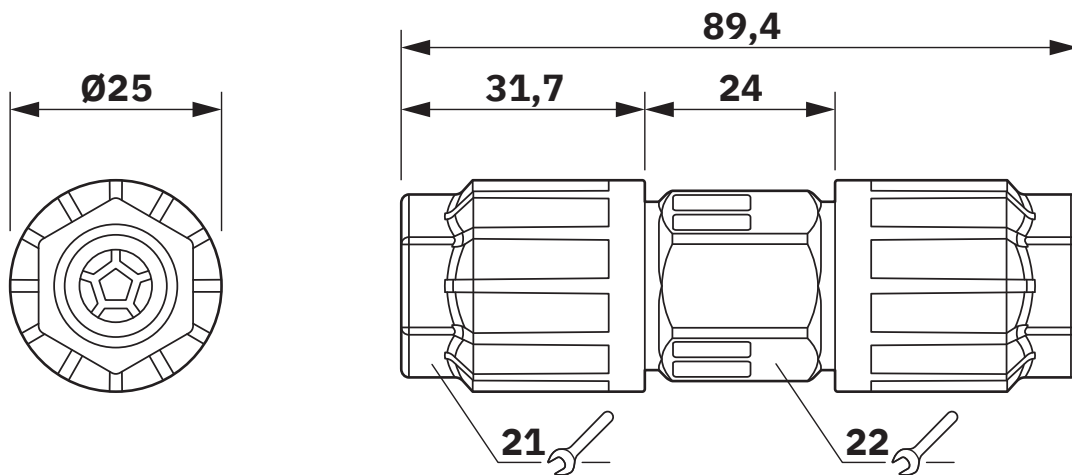|	
Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

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Drawings

Dimensional drawing

Dimensional drawing

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1414702

CB scheme	IECEE CB Scheme
	Approval ID: DE1-65875

EAC	EAC
	Approval ID: RU C-DE.BL08.B.00511

DNV GL	DNV GL
	Approval ID: TAE00003J5

VDE	VDE Zeichengenehmigung
	Approval ID: 40029149

UL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	8 A	-	- 16

cUL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	8 A	- 16	-

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27440605
ECLASS-12.0	27440605
ECLASS-13.0	27440605

ETIM

ETIM 9.0	EC002560

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

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

1414729

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

SEALING PLUG 10X16 RD - Closing cap

1400284

https://www.phoenixcontact.com/us/products/1400284

Closing cap, for threads pluggable, color: red

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

1414722

https://www.phoenixcontact.com/us/products/1414722

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

QPD QSK 3/4X1,5 - Protective cap

1414723

https://www.phoenixcontact.com/us/products/1414723

Protective cap plastic, for QPD-QUICKON connection 3(4) x 1.5 mm^2, IP50

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QPD W 2PE1,5 8-13 M20 0,5 BK - Panel feed-through

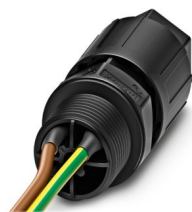1414687

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Panel feed-through, product family: QPD, connection method: Single wires/ IDC connection, number of positions: 2+PE, M20, Pin, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 10 mm ... 13 mm, 1.5 mm^2, cable length: 0.5 m

QPD W 2PE1,5 8-13 M20 1,0 BK - Panel feed-through

1414688

https://www.phoenixcontact.com/us/products/1414688

Panel feed-through, product family: QPD, connection method: Single wires/ IDC connection, number of positions: 2+PE, M20, Pin, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 10 mm ... 13 mm, 1.5 mm^2, cable length: 1 m

QPD C 2PE1,5 2X8-13 BK - Conductor connector

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QPD W 2PE1,5 8-13 M20 FC BK - Panel feed-through

1414689

https://www.phoenixcontact.com/us/products/1414689

Panel feed-through, product family: QPD, connection method: Spade connection (For slip-on sleeves according to DIN 46247-2)/ IDC connection, number of positions: 2+PE, M20, Pin, 0.5 mm^2 ... 1.5 mm^2, 690 V, 15 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 10 mm ... 13 mm, 1.5 mm^2

QPD C 2PE1,5 1X8-13 BK - Conductor connector

1414701

https://www.phoenixcontact.com/us/products/1414701

Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 2+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with one QUICKON nut, coding: Coding profile, external cable diameter: 10 mm ... 13 mm

QPD C 2PE1,5 2X8-13 BK - Conductor connector

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QPD T 2PE1,5 2X8-13 BK - T distributor

1414713

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T distributor, product family: QPD, connection method: IDC connection, number of positions: 2+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 10 mm ... 13 mm

QPD T 2PE1,5 3X8-13 BK - T distributor

1414714

https://www.phoenixcontact.com/us/products/1414714

T distributor, product family: QPD, connection method: IDC connection, number of positions: 2+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, With three QUICKON nuts, coding: Coding profile, external cable diameter: 10 mm ... 13 mm

QPD C 2PE1,5 2X8-13 BK - Conductor connector

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QPD H 2PE1,5 4X8-13 BK - H distributor

1414720

https://www.phoenixcontact.com/us/products/1414720

H distributor, product family: QPD, connection method: IDC connection, number of positions: 2+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with four QUICKON nuts, coding: Coding profile, external cable diameter: 10 mm ... 13 mm, with a sealing bolt

QPD N 2PE1,5 8-13 BK - Nut

1415100

https://www.phoenixcontact.com/us/products/1415100

Nut, product family: QPD, connection method: IDC connection, number of positions: 2+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, external cable diameter: 10 mm ... 13 mm

QPD C 2PE1,5 2X8-13 BK - Conductor connector

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QPD P 2PE1,5 8-13 BK - Connector

1414706

https://www.phoenixcontact.com/us/products/1414706

Connector, product family: QPD, connection method: IDC connection, number of positions: 2+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 10 mm ... 13 mm

QSS 22 - Socket wrench

1670206

https://www.phoenixcontact.com/us/products/1670206

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