QPD C 4PE1,5 2X9-14 BK - Conductor connector

1414742

https://www.phoenixcontact.com/pc/products/1414742

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Conductor connector, connection method: IDC connection, number of positions: 4+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 ... 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	1414742
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF6CCA
GTIN	4055626033570
Weight per piece (including packing)	61.1 g
Weight per piece (excluding packing)	57.3 g
Customs tariff number	85366990
Country of origin	PL

Technical data

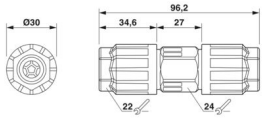
Product properties

Product type	Cable connector
Product family	QPD
Type	QPD 5x1,5
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Number of connections per position	1
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	30 mm
Height	30 mm
Length	96.2 mm
Diameter	30 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 ... 14 mm
Wire diameter including insulation	1.6 mm ... 3 mm
Position marking	1, 2, 3, N, PE
Halogen-free	yes

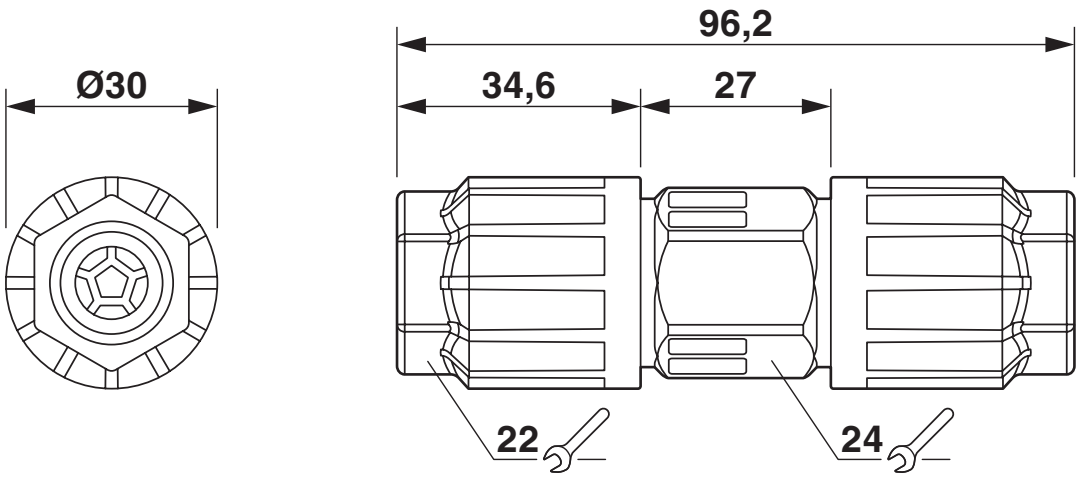
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

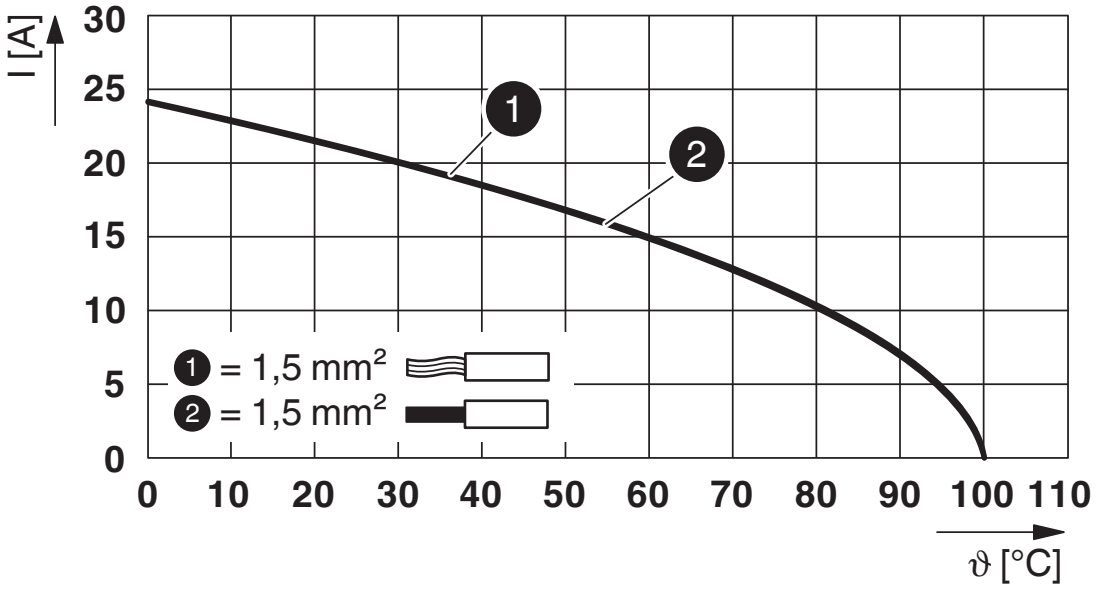
Drawings

Dimensional drawing



Dimensional drawing

Diagram



Derating diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1414742

IECEE CB Scheme
Approval ID: DE1-65875

DNV GL
Approval ID: TAE00003J5

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
keine				
	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
keine				
	600 V	8 A	- 16	-

Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	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%

EF3.0 Climate Change

CO2e kg	0.452 kg CO2e

Accessories

CP-QPD 5X1,5 - Coding profile

1414760

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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 - Sealing plug

1400284

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



Sealing plug, for threads pluggable, color: red

QPD W 4PE1,5 9-14 M25 0,5 BK - Panel feed-through

1414733

https://www.phoenixcontact.com/pc/products/1414733



Panel feed-through, connection method: Single wires/ IDC connection, number of positions: 4+PE, M25, 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 ... 14 mm, 1.5 mm^2, cable length: 0.5 m

QPD W 4PE1,5 9-14 M25 1,0 BK - Panel feed-through

1414734

https://www.phoenixcontact.com/pc/products/1414734



Panel feed-through, connection method: Single wires/ IDC connection, number of positions: 4+PE, M25, 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 ... 14 mm, 1.5 mm^2, cable length: 1 m

QPD W 4PE1,5 9-14 M25 FC BK - Panel feed-through

1414735

https://www.phoenixcontact.com/pc/products/1414735



Panel feed-through, connection method: Spade connection (For slip-on sleeves according to DIN 46247-2)/ IDC connection, number of positions: 4+PE, M25, 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 ... 14 mm, 1.5 mm^2

QPD C 4PE1,5 1X9-14 BK - Conductor connector

1414741

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Conductor connector, connection method: IDC connection, number of positions: 4+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 ... 14 mm

QPD T 4PE1,5 2X9-14 BK - T distributor

1414752

https://www.phoenixcontact.com/pc/products/1414752



T distributor, connection method: IDC connection, number of positions: 4+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 ... 14 mm

QPD T 4PE1,5 3X9-14 BK - T distributor

1414754

https://www.phoenixcontact.com/pc/products/1414754



T distributor, connection method: IDC connection, number of positions: 4+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 ... 14 mm

QPD H 4PE1,5 4X9-14 BK - H distributor

1414756

https://www.phoenixcontact.com/pc/products/1414756



H distributor, connection method: IDC connection, number of positions: 4+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 ... 14 mm, with a sealing bolt

QPD N 4PE1,5 9-14 BK - Nut

1415104

https://www.phoenixcontact.com/pc/products/1415104



Nut, connection method: IDC connection, number of positions: 4+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, external cable diameter: 10 mm ... 14 mm

QPD C 4PE1,5 2X9-14 BK - Conductor connector

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QPD P 4PE1,5 9-14 BK - Connector

1414750

https://www.phoenixcontact.com/pc/products/1414750



Connector, connection method: IDC connection, number of positions: 4+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 ... 14 mm

QSS 22 - Socket wrench

1670206

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



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

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