

Conductor connectors - QPD C 4PE1,5 1X5-10 BK - 1414739

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Conductor connectors, QUICKON connection, No. of pos.: 4+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, with one QUICKON nut, Cable diameter: 5 mm ... 10 mm

Why buy this product

- ✓ 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
GTIN	 4 055626 033549
GTIN	4055626033549
Custom tariff number	85366990

Technical data

General

Design	QPD 5x1,5
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	5

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Technical data

General

Note number of positions	4+PE
Tightening torque, union nut	5 Nm
Tightening torque, counter nut	5 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 ... 10 mm
Position marking	1, 2, 3, N, PE

Ambient conditions

Degree of protection	IP66
	IP68
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °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)
Category of shock impact	IK07

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Technical data

Material data

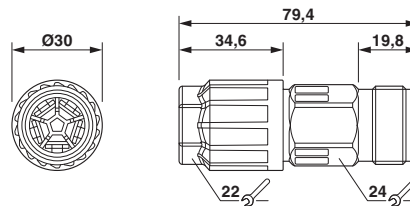
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Flammability rating according to UL 94	V0
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Drawings

Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440605
eCl@ss 9.0	27440605

ETIM

ETIM 5.0	EC002560
ETIM 6.0	EC002560

UNSPSC

UNSPSC 13.2	39121402
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Approvals

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GL / VDE approval of drawings / IECEE CB Scheme

Ex Approvals

Approval details

GL		http://exchange.dnv.com/tari/	6195914 HH
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VDE approval of drawings		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40029149
mm ² /AWG/kcmil	0.5-1.5		
Nominal current I _N	17.5 A		
Nominal voltage U _N	690 V		

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

Accessories

Coding element

Coding profile - CP-QPD 5X1,5 - 1414760



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

Sealing plugs

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Accessories

Closing cap - SEALING PLUG 7X16 RD - 1400255



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 7 mm

Socket spanner

Socket wrench - QSS 22 - 1670206



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