

Connector - QPD P 3PE1,5 4-9 BK - 1414703

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Connector, QUICKON connection, No. of pos.: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, With QUICKON nut, Cable diameter: 5 mm ... 9.5 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 maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables

Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 031651
GTIN	4055626031651
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Design	QPD 4x1,5
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	4

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Technical data

General

Note number of positions	3+PE
Tightening torque, union nut	5 Nm
Tightening torque, counter nut	5 Nm
Number of connections	4
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, 3, 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
Category of shock impact	IK07

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Technical data

Material data

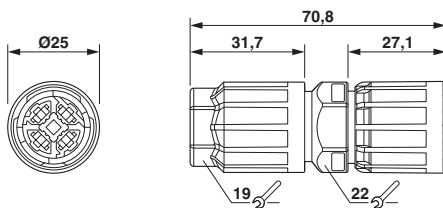
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

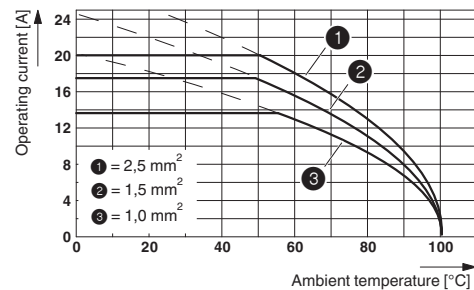
Flammability rating according to UL 94	V0
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Drawings

Dimensional drawing



Diagram



Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440605
eCl@ss 9.0	27440602

ETIM

ETIM 5.0	EC002560
ETIM 6.0	EC002560

UNSPSC

UNSPSC 13.2	39121522
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Approvals

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GL / VDE approval of drawings / IECCEB 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		

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

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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

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Accessories

Protective cap - QPD PSK 3/4X1,5 - 1414724



Protective cap plastic, for QPD-QUICKON connection 3(4) x 1.5 mm², IP54

Sealing plugs

Closing cap - SEALING PLUG 7X16 RD - 1400255



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