

## Connector - QPD P 2PE1,5 4-9 BK - 1414705

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Connector, QUICKON connection, number of positions: 2+PE, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, 690 V, 17.5 A, black, with QUICKON nut, cable diameter range: 5 mm ... 9.5 mm

### Your advantages

- ✓ 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 pc
GTIN	
GTIN	4055626031675
Weight per Piece (excluding packing)	40.000 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Type	QPD 3x1,5
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection

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## Technical data

### General

Number of positions	3
Note number of positions	2+PE
Tightening torque, union nut	8 Nm
Tightening torque, counter nut	5 Nm
Number of connections	3
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
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, PE

### Ambient conditions

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

### Electrical characteristics

Nominal current I <sub>N</sub>	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
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## Technical data

### Mechanical characteristics

Insertion/withdrawal cycles	> 50
Category of shock impact	IK07

### 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

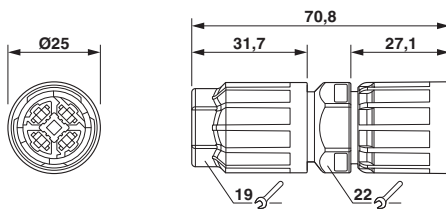
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

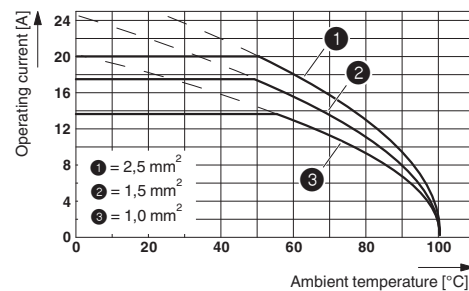
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



Diagram



## Classifications

eCl@ss

eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440605
eCl@ss 8.0	27440605
eCl@ss 9.0	27440605

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## Classifications

### ETIM

ETIM 5.0	EC002560
ETIM 6.0	EC002566

### UNSPSC

UNSPSC 13.2	39121522
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## Approvals

### Approvals


#### Approvals


GL / IECCEB Scheme / VDE Zeichengenehmigung / EAC

#### Ex Approvals


### Approval details

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6195914 HH
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58228
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VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40029149
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Nominal voltage UN	690 V
Nominal current IN	17.5 A
mm <sup>2</sup> /AWG/kcmil	0.5-1.5

EAC		RU C- DE.AI30.B.01102
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### Accessories

#### Accessories

#### 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.

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### Protective cap

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



Protective cap plastic, for QPD-QUICKON connection 3(4)x 1.5 mm<sup>2</sup>, IP50

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Protective cap - QPD QSK 3/4X1,5 - 1414723



Protective cap plastic, for QPD-QUICKON connection 3(4) x 1.5 mm<sup>2</sup>, IP50

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### Sealing plugs

Closing cap - SEALING PLUG 7X16 RD - 1400255



Closing cap, PA, color: red