

Connector - QPD P 2PE1,5 8-13 BK - 1414706

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Connector, QUICKON connection, number of positions: 2+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, with QUICKON nut, cable diameter range: 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 maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 031682
GTIN	4055626031682

Technical data

General

Type	QPD 3x1,5
Color	black
Locking type	Screw locking
Connection technology	QUICKON connection
Connection method	IDC connection
Number of positions	3
Connection profile	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 ²
Conductor cross section flexible max.	1.5 mm ²

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Technical data

General

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	10 mm ... 13 mm
Stripping length of the sheath	60 mm (Branch line)
	60 mm (Master cable)
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 _N	17.5 A
Nominal voltage U _N	690 V AC
	690 V DC
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	max. 50
Category of shock impact	IK07

Material data

Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA

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Technical data

Material data

Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

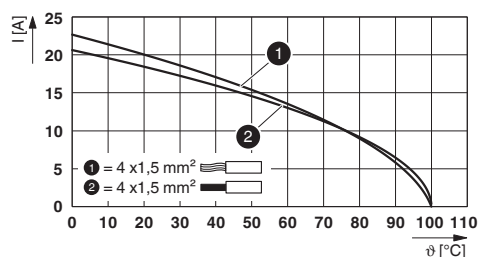
Category of shock impact	IK07
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Environmental Product Compliance

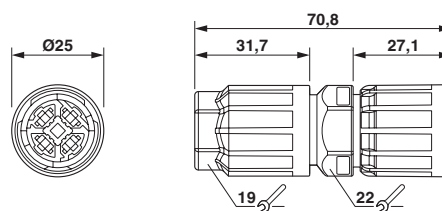
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



Dimensional drawing



Derating diagram

Classifications

eCl@ss

eCl@ss 10.0.1	27440605
eCl@ss 11.0	27440605
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440605
eCl@ss 9.0	27440605

ETIM

ETIM 6.0	EC002560
ETIM 7.0	EC002560

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Classifications

UNSPSC

UNSPSC 13.2	39121522
UNSPSC 18.0	39121402
UNSPSC 19.0	39121402
UNSPSC 20.0	39121402
UNSPSC 21.0	39121402

Approvals

Approvals

Approvals

EAC / EAC / DNV GL / IECCEB Scheme / UL Listed / cUL Listed / VDE Zeichengenehmigung / cULus Listed

Ex Approvals

Approval details

EAC		RU C- DE.AI30.B.01102
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EAC		RU C- DE.BL08.B.00511
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DNV GL		https://approvalfinder.dnvgl.com/	TAE00003J5
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IECCEB Scheme		http://www.iecee.org/	DE1-65875
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UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743
Nominal voltage UN	600 V		
Nominal current IN	8 A		
mm²/AWG/kcmil	16		

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Approvals

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743
Nominal voltage UN		600 V	
Nominal current IN		8 A	
mm²/AWG/kcmil		16	

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
Nominal voltage UN		690 V	
Nominal current IN		17.5 A	
mm²/AWG/kcmil		0.5-1.5	

cULus Listed	
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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.

Protective cap

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



Protective cap plastic, for QPD-QUICKON connection 3(4)x 1.5 mm², IP50

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Accessories

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



Protective cap plastic, for QPD-QUICKON connection 3(4) x 1.5 mm², IP50

Sealing plugs

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, material: PA, for threads pluggable, color: red

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