

Panel feed-through - QPD W 3PE1,5 M20 0,5 BK - 1414681

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Panel feed-through, QUICKON connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, Without QUICKON nut, assembly thread: M20, Single wires, 1.5 mm², cable length: 0.5 m

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
- ✓ Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 031347
GTIN	4055626031347
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85444290
Country of origin	Poland

Technical data

General

Type	QPD 4x1,5
Length of cable	0.5 m
Color	black
Locking type	Screw locking
Connection method	QUICKON connection

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Technical data

General

	IDC connection
Number of positions	4
Note number of positions	3+PE
Tightening torque, union nut	8 Nm
Tightening torque, counter nut	5 Nm
Number of connections	10
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
Conductor cross section	1.5 mm ²
Wire colors	black, brown, gray, green/yellow
Position marking	1, 2, 3, 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
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

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Mechanical characteristics

QUICKON connectability	max. 10
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"

Classifications

eCl@ss

eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440602
eCl@ss 8.0	27440602
eCl@ss 9.0	27440602

ETIM

ETIM 5.0	EC002566
ETIM 6.0	EC002061

UNSPSC

UNSPSC 13.2	39121413
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Approvals

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Approvals

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GL / IECCE CB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals

Approval details

GL		https://approvalfinder.dnvgl.com/	6195914 HH
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IECEE CB Scheme		http://www.iecee.org/	DE1-61559
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VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
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Nominal voltage UN	690 V
Nominal current IN	17.5 A
mm ² /AWG/kcmil	0.5-1.5

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

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Accessories

Installation connector

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



Connector, QUICKON connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, with QUICKON nut, cable diameter range: 5 mm ... 9.5 mm

Connector - QPD P 3PE1,5 8-13 BK - 1414704



Connector, QUICKON connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, with QUICKON nut, cable diameter range: 10 mm ... 13 mm

Installation pressure nut

Nut - QPD N 3PE1,5 4-9 BK - 1415097



Nut, QUICKON connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, cable diameter range: 5 mm ... 9.5 mm

Nut - QPD N 3PE1,5 8-13 BK - 1415098



Nut, QUICKON connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, cable diameter range: 10 mm ... 13 mm

Protective cap

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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

Protective cap - QPD QSK BK 3/4X1,5 FS - 1414722



Protective cap, plastic, for QUICKON connection, black, with retaining cord, IP68

Flat nut - Q-MU-M20 BK - 1586099



Flat nut, color: black
