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Especialistas en Automatización

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## Panel feed-through - QPD W 4PE2,5 6-11 M20 1,0 BK - 1403727

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Panel feed-through, QUICKON connection, No. of pos.: 4+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, black, With QUICKON nut, Cable diameter: 6 mm ... 11 mm, Assembly thread: M20, Single wires (Welded-on), 2.5 mm<sup>2</sup>, Wires cut flat at the end, Cable length: 1 m

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

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 665018

### Technical data

#### General

Type	QPD 5x2,5
Length of cable	1 m
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	5
Note number of positions	4+PE
Wrench size, union nut	27 mm
Tightening torque, union nut	10 Nm
Tightening torque, counter nut	5 Nm
Wrench size, counter nut	30 mm
Number of connections	10
Conductor cross section flexible min.	1 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	1 mm <sup>2</sup>

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## Technical data

### General

Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	16
Conductor cross section AWG max.	14

### 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	2.5 mm ... 3.8 mm
External cable diameter	6 mm ... 11 mm
Conductor cross section	2.5 mm <sup>2</sup>

### Ambient conditions

Degree of protection	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

### Electrical characteristics

Nominal current I <sub>N</sub>	20 A
Rated current	20 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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### 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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## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440602

### ETIM

ETIM 3.0	EC001283
ETIM 4.0	EC000516
ETIM 5.0	EC002566

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	39121522
UNSPSC 13.2	39121413

## Approvals

### Approvals


#### Approvals

VDE Zeichengenehmigung / IEC CB Scheme / GL / UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

#### Approvals submitted

### Approval details

VDE Zeichengenehmigung 	
mm <sup>2</sup> /AWG/kcmil	1.0-2.5
Nominal current IN	20 A

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## Approvals

Nominal voltage UN	690 V
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IECEE CB Scheme	
Nominal voltage UN	690 V

GL
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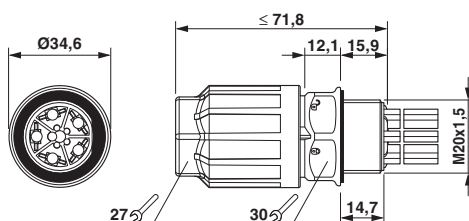
UL Listed	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current IN	10 A
Nominal voltage UN	600 V

cUL Listed	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current IN	10 A
Nominal voltage UN	600 V

cULus Listed	
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## Drawings

Dimensional drawing



Dimensional drawing of the QPD W 5x2,5 M20

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