

## Panel feed-through - QPD W 4PE2,5 M20 0,5 BK - 1403737

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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, Without QUICKON nut, Cable diameter: 6 mm ... 10 mm, Assembly thread: M20, Single wires (Welded-on), 2.5 mm<sup>2</sup>, Wires cut flat at the end, Cable length: 0.5 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

RoHS

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 665117
GTIN	4046356665117

### Technical data

#### General

Design	QPD 5x2,5
Length of cable	0.5 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

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## Technical data

### General

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>
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 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm
Conductor cross section	2.5 mm <sup>2</sup>
Position marking	1, 2, 3, N, 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 <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
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

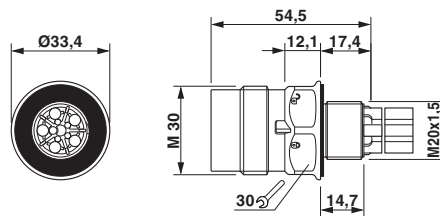
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

### Standards and Regulations

Flammability rating according to UL 94	V0
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## Drawings

Dimensional drawing



Dimensional drawing of the QPD W 5x2,5 M20 without nut

## Approvals

### Approvals

#### Approvals

VDE Zeichengenehmigung / IECCE CB Scheme / GL / UL Listed / cUL Listed / VDE approval of drawings / IECCE CB Scheme / cULus Listed

#### Ex Approvals

### Approval details

VDE Zeichengenehmigung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40037105
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-52871
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## Approvals

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6195914 HH
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UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
mm <sup>2</sup> /AWG/kcmil		16	
Nominal current I <sub>N</sub>		10 A	
Nominal voltage U <sub>N</sub>		600 V	

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
mm <sup>2</sup> /AWG/kcmil		16	
Nominal current I <sub>N</sub>		10 A	
Nominal voltage U <sub>N</sub>		600 V	

VDE approval of drawings		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40029149
mm <sup>2</sup> /AWG/kcmil		1-2.5	
Nominal current I <sub>N</sub>		20 A	
Nominal voltage U <sub>N</sub>		690 V	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58228
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cULus Listed			
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