

Panel feed-through - QPD W 4PE2,5 M20 FC BK - 1403741

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QUICKON panel feed-through, black, 4+PE-pos., 1.0 mm² ... 2.5 mm²/690 V/20 A, without QUICKON nut, M20 connection thread with 5 slip-on contacts for slip-on sleeves according to DIN 46247-2

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 665155
GTIN	4046356665155
Custom tariff number	85366990

Technical data

General

Design	QPD 5x2,5
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 ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	1 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	14
Dimensions of slip-on connection	2.8 x 0.8 mm

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

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 _N	15 A
Rated current	15 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

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Technical data

Material data

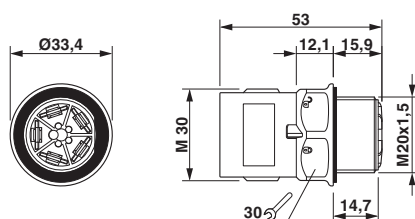
Degree of pollution	3
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Standards and Regulations

Flammability rating according to UL 94	V0
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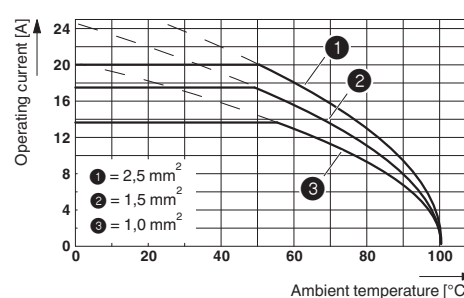
Drawings

Dimensional drawing



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

Diagram



Approvals

Approvals

Approvals

VDE Zeichengenehmigung / IECCE CB Scheme / GL / EAC / UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

VDE Zeichengenehmigung  http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx 40037105	
mm²/AWG/kcmil	1.0-2.5
Nominal current I _N	20 A
Nominal voltage U _N	690 V

IECEE CB Scheme  http://www.iecee.org/ DE1-52871	
Nominal voltage U _N	690 V

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Approvals

GL <http://www.gl-group.com/newbuilding/approvals/index.html> 6195914 HH

EAC 7500651.22.01.00246

UL Listed  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 221474

mm ² /AWG/kcmil	16
Nominal current I _N	10 A
Nominal voltage U _N	600 V

cUL Listed  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 221474

mm ² /AWG/kcmil	16
Nominal current I _N	10 A
Nominal voltage U _N	600 V

cULus Listed 

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