

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Panel feed-through, QUICKON connection, number of positions: 4+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, with QUICKON nut, cable diameter range: 6 mm ... 11 mm, assembly thread: M20, Single wires (welded-on), 2.5 mm², 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 665018
GTIN	4046356665018

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

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

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

Cable

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 ... 11 mm
Conductor cross section	2.5 mm ²
Wire colors	black, brown, gray, blue, green/yellow
Position marking	1, 2, 3, N, 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 ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I _N	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

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

Technical data

Material data

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

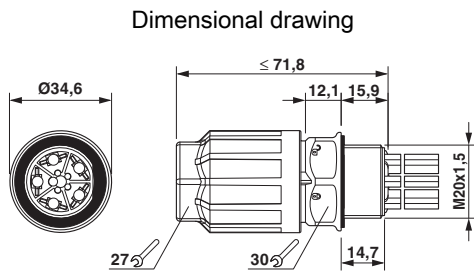
Standards and Regulations

Flammability rating according to UL 94	V0
--	----

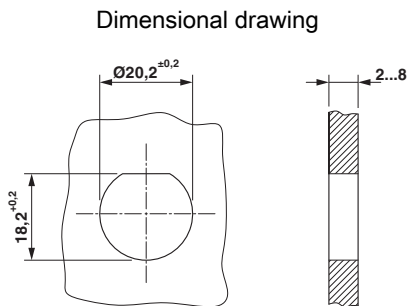
Environmental Product Compliance

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

Drawings



Dimensional drawing of the QPD W 5x2,5 M20



Housing cutout

Approvals

Approvals

Approvals

GL / UL Listed / cUL Listed / VDE approval of drawings / IECCEB Scheme / EAC / cULus Listed

Ex Approvals

Approval details

GL		http://exchange.dnv.com/tari/	6195914 HH
----	--	---	------------

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

Approvals

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN	600 V		
Nominal current IN	10 A		
mm²/AWG/kcmil	16		

cUL Listed			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN		600 V		
Nominal current IN		10 A		
mm²/AWG/kcmil		16		

VDE approval of drawings		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
Nominal voltage UN	690 V		
Nominal current IN	20 A		
mm²/AWG/kcmil	1-2.5		

IECEE CB Scheme		http://www.iecee.org/	DE1-58228
-----------------	---	---	-----------

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

cULus Listed	
--------------	---

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>