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

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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

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Technical data

General

Wrench size, counter nut	30 mm
Number of connections	10
Conductor cross section flexible min.	1 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	1 mm²
Conductor cross section solid max.	2.5 mm²
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 ... 11 mm
Conductor cross section	2.5 mm²
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

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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

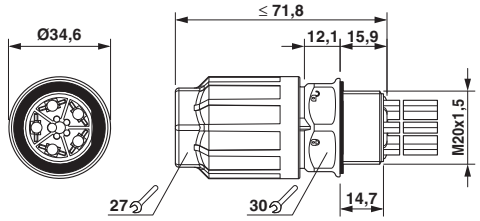
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

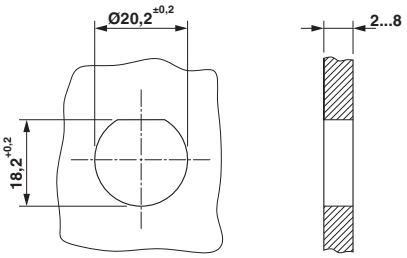
Drawings

Dimensional drawing



Dimensional drawing of the QPD W 5x2,5 M20

Dimensional drawing



Housing cutout

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

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

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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	

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