

Panel feed-through - QPD W 4PE2,5 9-16 M25 DT BK - 1411433

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QUICKON panel feed-through, black, 4+PE-pos., 1.0 mm² ... 2.5 mm²/690 V/20 A, with QUICKON nut, for cable diameter of 9 mm ... 16 mm, with push-in spring-cage connection.

Your advantages

- ✓ 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 pc
GTIN	 4 046356 932325
GTIN	4046356932325
Weight per Piece (excluding packing)	62.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Connection	For 2.5 mm ² cables with ferrule, only CRIMPFOX 10S pliers (1212045) with square crimp can be used. CRIMPFOX 6H hexagonal crimping pliers (1212046) cannot be used, because the diameter on the diagonal is too large.
Type	QPD 5x2,5
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection

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Technical data

General

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 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

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/Rubber/TPE
Wire diameter including insulation	2 mm ... 3.8 mm
External cable diameter	9 mm ... 16 mm
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
Insertion/withdrawal cycles	QUICKON connections max. 10
Category of shock impact	IK07

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Technical data

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

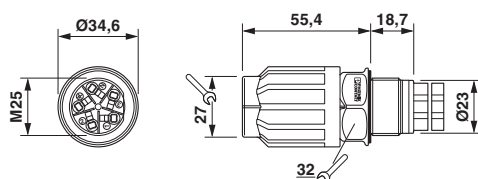
Flammability rating according to UL 94	V0
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Environmental Product Compliance

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

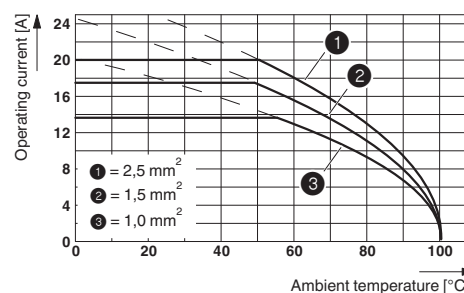
Drawings

Dimensional drawing



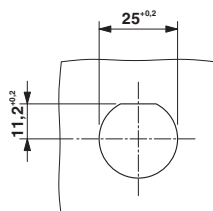
Dimensional drawing: QPD W...

Diagram



Derating diagram

Dimensional drawing



Panel cutout

Classifications

eCl@ss

eCl@ss 5.1	27143400
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Classifications

eCl@ss

eCl@ss 6.0	27143400
eCl@ss 7.0	27440602
eCl@ss 8.0	27440602
eCl@ss 9.0	27440602

ETIM

ETIM 4.0	EC002635
ETIM 5.0	EC002566
ETIM 6.0	EC002061

UNSPSC

UNSPSC 13.2	39121522
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Approvals

Approvals

Approvals

GL

Ex Approvals

Approval details

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

Accessories

Coding element

Coding profile - CP-QPD 5X2,5 - 1404530



Coding profile, red, for insertion into the 5-pos. QUICKON dome and connector, can be positioned in 72° increments.

Mounting material

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Accessories

Nut - Q-MU M20 - 1640702



Nut (plastic) to lock the contact carrier from the inside of the device

Protective cap

Protective cap - QPD QSK BK 5X2,5 FS - 1404525



Protective cap, plastic, for QUICKON connection, black, with retaining cord, IP68

Sealing plugs

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap, PA, for threads pluggable, color: red

Socket spanner

Socket wrench - QSS 27 - 1670646



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 27 mm