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Especialistas en Automatización

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## Conductor connectors - QPD CW 4PE2,5 1X6-11 BK - 1403848

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Cable connector panel feed-through, single-sided with QPD nut, black, 4+PE-pos., 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>/690 V/20 A, for cable diameter of 6 mm ... 11 mm.

### 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

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 670432

### Technical data

#### General

Type	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
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

# Conductor connectors - QPD CW 4PE2,5 1X6-11 BK - 1403848

## Technical data

### 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
External cable diameter	6 mm ... 11 mm

### Ambient conditions

Degree of protection	IP68 (2 m / 24 h) IP69K
Ambient temperature (operation)	-40 °C ... 80 °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)	1250 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	50 (Quickon connections max. 10)

### 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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## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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## Classifications

### eCl@ss

eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440605

### ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC002635
ETIM 5.0	EC002560

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals


#### Approvals

VDE Zeichengenehmigung / IECCEB Scheme / GL / EAC / UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

#### Approvals submitted

### Approval details

VDE Zeichengenehmigung 	
mm <sup>2</sup> /AWG/kcmil	1.0-2.5
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	690 V

# Conductor connectors - QPD CW 4PE2,5 1X6-11 BK - 1403848

## Approvals

IECEE CB Scheme	
Nominal voltage UN	690 V

GL

EAC

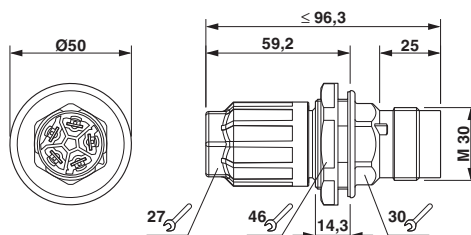
UL Listed	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current IN	10 A
Nominal voltage UN	600 V

cUL Listed	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current IN	10 A
Nominal voltage UN	600 V

cULus Listed	
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## Drawings

Dimensional drawing



Dimensional drawing of the QPD CW 5x2.5

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