

## Conductor connectors - QPD C 4PE6,0 2X12-20 BK - 1410412

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QUICKON cable connector, black, 4+PE-pos., 2.5 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>/690 V/40 A, for cable diameter of 12 mm ... 20 mm.

### Product Features

- ✓ 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
- ✓ Easy and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection
- ✓



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	140.0 GRM
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Type	QPD 5x6,0
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	30 mm

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#### General

Tightening torque, union nut	10 Nm
Conductor cross section flexible min.	2.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section solid min.	2.5 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max	14

#### Conductor

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
External cable diameter	12 mm ... 20 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 <sub>N</sub>	40 A
Rated current	40 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

#### Material data

Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Inflammability class according to UL 94	V0

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## Technical data

### Material data

Surge voltage category	III
Pollution degree	3

## Classifications

### eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424

### ETIM

ETIM 4.0	EC000516
ETIM 5.0	EC002635

## Approvals

### Approvals

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Approvals

GL / EAC

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Ex Approvals

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Approvals submitted

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### Approval details

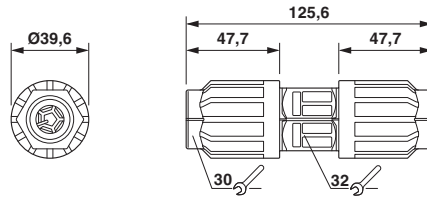
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## Drawings

## Conductor connectors - QPD C 4PE6,0 2X12-20 BK - 1410412

Dimensional drawing



Dimensional drawing of QPD C 5x6,0