

## Connecting cable - QPD 5P/ 1,0-PVC/5P 5X2,5 BK - 1408720

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Pre-assembled QUICKON connectors, 4+PE, black, with 5 x 2.5 PVC cable, length: 1.0 m

### 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
- ✓ Easy maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 827188
GTIN	4046356827188

### 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
Number of connections	5

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## Technical data

### General

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

### 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	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 <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	690 V AC
	690 V DC
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	50
Category of shock impact	IK07

### Material data

Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA

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### Technical data

#### Material data

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

#### Standards and Regulations

Category of shock impact	IK07
Flammability rating according to UL 94	V0

#### Cable

Cable type	PVC gray
Cable type (abbreviation)	PVC
Conductor cross section	5x 2.5 mm <sup>2</sup>
AWG power supply	14
Conductor structure, voltage supply	50x 0.25 mm
Wire colors	blue, brown, black, gray, green/yellow
Overall twist	5 cores, twisted
External sheath, color	gray RAL 7001
External cable diameter D	11.8 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	15 x D
Cable weight	242 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	> 0.2 MΩ*km
Nominal voltage, cable	750 V
	1000 V (Fixed, protected installation)
Test voltage, cable	4000 V
Flame resistance	according to IEC 60332-1-2
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 70 °C (cable, flexible installation)

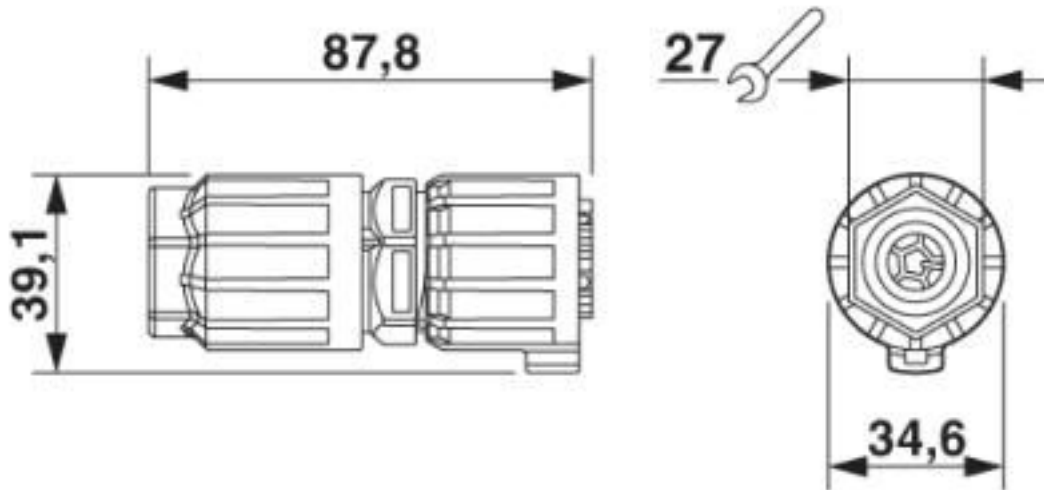
#### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Drawings

## Connecting cable - QPD 5P/ 1,0-PVC/5P 5X2,5 BK - 1408720

Dimensional drawing



Dimensional drawing: connector, 2.5 mm<sup>2</sup>

### Classifications

eCl@ss

eCl@ss 10.0.1	27440605
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440604
eCl@ss 8.0	27440604
eCl@ss 9.0	27440605

ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC002635
ETIM 5.0	EC002560
ETIM 6.0	EC002560
ETIM 7.0	EC002560

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	43223303

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## Classifications

### UNSPSC

UNSPSC 18.0	39121402
UNSPSC 19.0	39121402
UNSPSC 20.0	39121402
UNSPSC 21.0	39121402

## Approvals

### Approvals

#### Approvals


DNV GL / EAC-RoHS / EAC

#### Ex Approvals

### Approval details

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE00003J5
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EAC-RoHS			RU D- DE.HB35.B.00387
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EAC			EAC-Zulassung
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