

## Connector - QPD P 4PE6,0 12-20 BK - 1410387

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Connector, QUICKON connection, No. of pos.: 4+PE, 2.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, 690 V, 40 A, black, With QUICKON nut, Cable diameter: 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 maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	100.0 g
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
Number of connections	5
Conductor cross section flexible min.	2.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>

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## Technical data

### General

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 min.	14
Conductor cross section AWG max.	10

### 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
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### 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
Pollution degree	3

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## Classifications

eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440102

ETIM

ETIM 5.0	EC002560
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## Approvals

Approvals

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Approvals

EAC / GL

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Ex Approvals

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Approvals submitted

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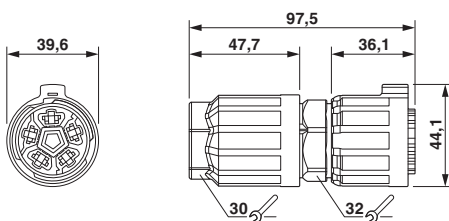
Approval details

EAC
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GL
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## Drawings

Dimensional drawing



Diagram

