

## H distributor - QPD H 4PE6,0 BK - 1411426

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QUICKON H-distributor, black, 4+PE-pos., 2.5 mm² ... 6.0 mm²/690 V/40 A, without QUICKON nut.

### 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
- ✓ Flexible and compact - by connecting connections internally, H and T-distributors can be used to branch master cables or they can be used as star distributors

RoHS

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 932264
GTIN	4046356932264

### Technical data

#### General

Type	H-distributor
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
Tightening torque, union nut	15 Nm
Number of connections	5
Conductor cross section flexible min.	2.5 mm²

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## Technical data

### General

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 min.	14
Conductor cross section AWG max.	10

### 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	2.95 mm ... 5 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 ... 100 °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
Category of shock impact	IK07

### 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

# H distributor - QPD H 4PE6,0 BK - 1411426

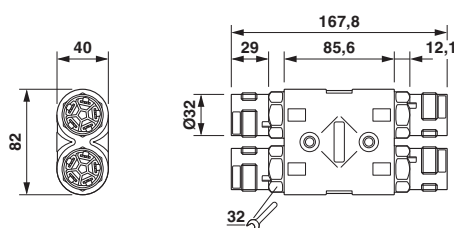
## Technical data

### Standards and Regulations

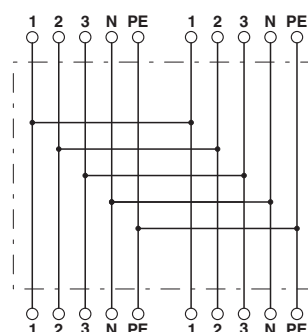
Flammability rating according to UL 94	V0
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## Drawings

Dimensional drawing



Circuit diagram



Dimensional drawing

## Approvals

### Approvals

#### Approvals


EAC / GL / VDE approval of drawings / IEC CB Scheme

#### Ex Approvals

### Approval details

EAC		EAC-Zulassung
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GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6195914 HH
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VDE approval of drawings		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40029149
mm²/AWG/kcmil	2.5-6.0		
Nominal current I <sub>N</sub>	40 A		

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### Approvals

Nominal voltage UN	690 V

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58228
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