

## H distributor - QPD H 4PE2,5 BK - 1406370

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QUICKON H-distributor, black, 4+PE pos., 690 V/20 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



### Key Commercial Data

Packing unit	1 STK
Custom tariff number	85366990
Country of origin	Poland

### 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	27 mm

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## Technical data

### General

Tightening torque, union nut	10 Nm
Number of connections	4
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	Order Quickon nuts or Quickon connectors separately

### Ambient conditions

Degree of protection	IP68 ()
	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>	20 A
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 (Quickon connections max. 10)

### Material data

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

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## Technical data

### Material data

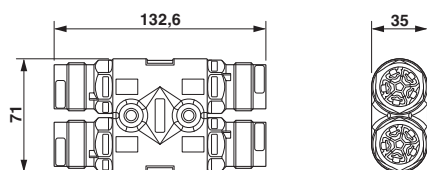
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

### Standards and Regulations

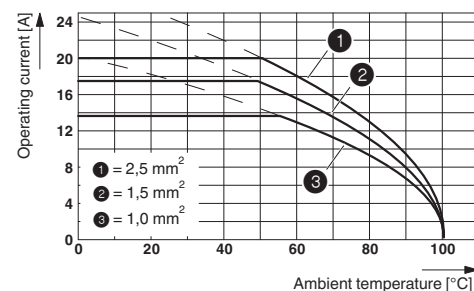
Flammability rating according to UL 94	V0
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## Drawings

Dimensional drawing



Diagram



Dimensional drawing

## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440603
eCl@ss 9.0	27440106

### ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002567

### UNSPSC

UNSPSC 6.01	30211923
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### Classifications

#### UNSPSC

UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

### Approvals

#### Approvals


##### Approvals


VDE Zeichengenehmigung / IECEx CB Scheme / GL / EAC / UL Listed / cUL Listed / cULus Listed

##### Ex Approvals

##### Approvals submitted

#### Approval details

VDE Zeichengenehmigung 	
mm²/AWG/kcmil	1.0-2.5
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	690 V


IECEx CB Scheme 	
Nominal voltage U <sub>N</sub>	690 V


GL
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EAC
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### Approvals

UL Listed 	
mm²/AWG/kcmil	16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

cUL Listed 	
mm²/AWG/kcmil	16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

cULus Listed 	
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