

## H distributor - QPD H 4PE2,5 4X6-11 BK - 1406368

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QUICKON H-distributor, black, 4 pos. +PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 690 V / 20 A, for cable diameters of 6 mm ... 11 mm, with a sealing bolt.

### 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
- ✓ 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 pc
GTIN	 4 046356 776165
GTIN	4046356776165
Weight per Piece (excluding packing)	340.000 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Type	H-distributor
Color	black
Locking type	Screw locking
Connection method	QUICKON connection

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## Technical data

### General

	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
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 mm ... 3.8 mm
External cable diameter	6 mm ... 11 mm
Position marking	1, 2, 3, N, PE

### Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K (Distance from the nozzle 150 mm)
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>	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

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### Technical data

#### Mechanical characteristics

QUICKON connectability	max. 10
Insertion/withdrawal cycles	10 (QUICKON connections max. 10)
Category of shock impact	IK07 (-25 °C)

#### 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

Flammability rating according to UL 94	V0
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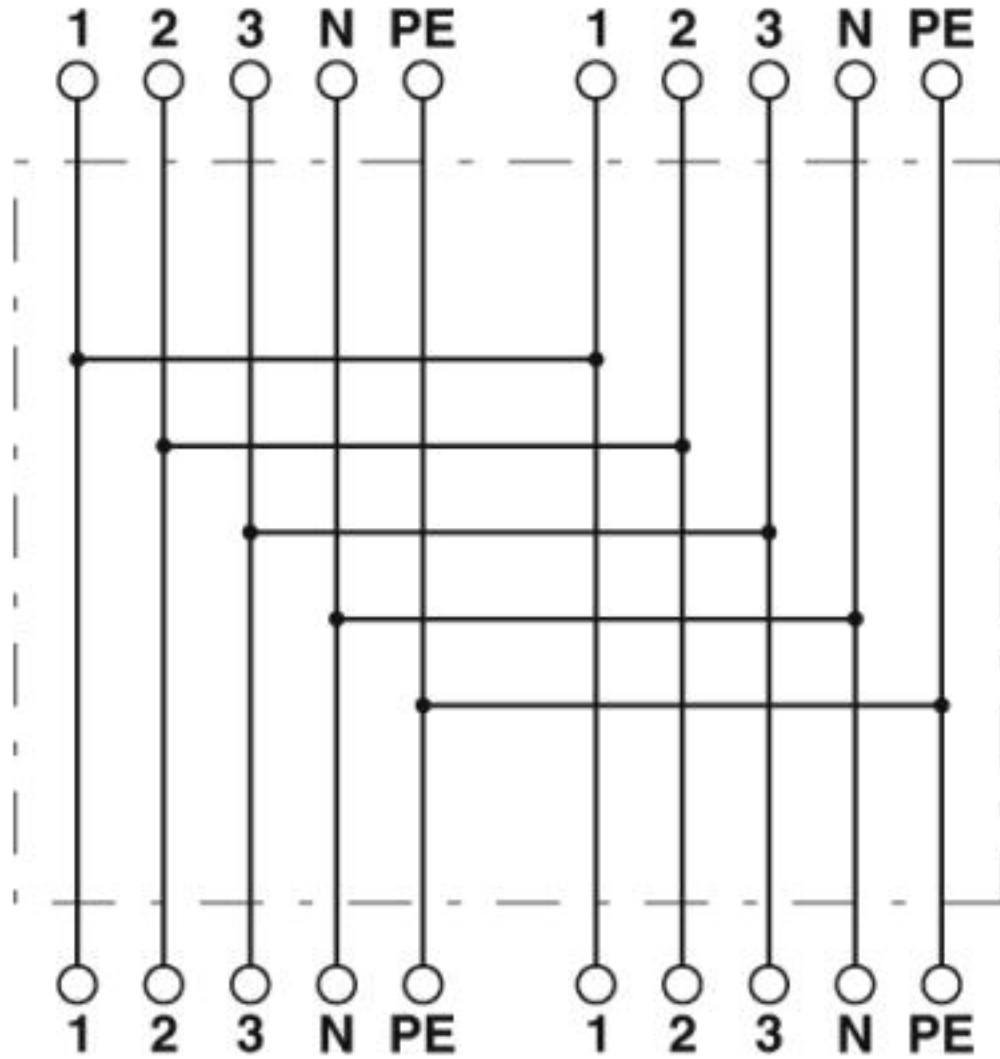
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

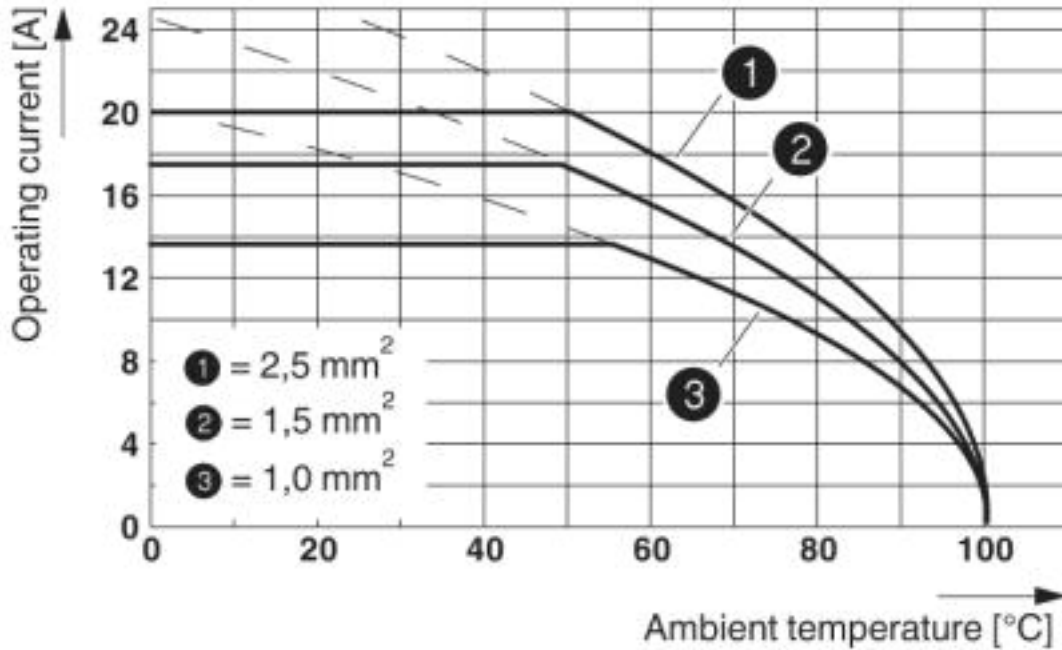
# H distributor - QPD H 4PE2,5 4X6-11 BK - 1406368

Circuit diagram

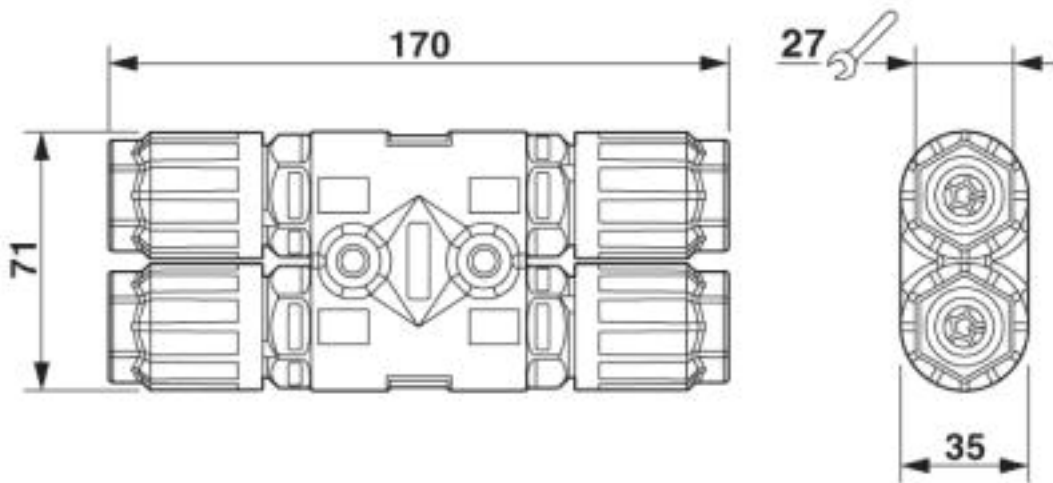


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Diagram



Dimensional drawing



Dimensional drawing

## Classifications

eCl@ss

eCl@ss 4.0	27140800
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### Classifications

#### eCl@ss

eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440603
eCl@ss 8.0	27440603
eCl@ss 9.0	27440603

#### ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002567
ETIM 6.0	EC002567
ETIM 7.0	EC002567

#### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	31251501
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

### Approvals

#### Approvals

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#### Approvals

UL Listed / IECCE CB Scheme / cUL Listed / VDE Zeichengenehmigung / EAC / DNV GL / UL Listed / cUL Listed

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#### Ex Approvals


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#### Approval details


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## Approvals

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN	600 V		
Nominal current IN	10 A		
mm <sup>2</sup> /AWG/kcmil	16		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-61559
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN	600 V		
Nominal current IN	10 A		
mm <sup>2</sup> /AWG/kcmil	16		

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40029149
Nominal voltage UN	690 V		
Nominal current IN	20 A		
mm <sup>2</sup> /AWG/kcmil	1-2.5		

EAC			RU C- DE.AI30.B.01102
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DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE00003J5
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### Approvals

UL Listed		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	E468743
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	E468743
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### Accessories

#### Accessories

#### Coding element

Coding profile - CP-QPD 5X2,5 - 1404530



Coding profile, red, for insertion into the 5-pos. QUICKON dome and connector, can be positioned in 72° increments.

#### Device marking

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, unlabeled, can be labeled with: PLOTMARK, ENGRAVING UNIT, CMS-P1-PLOTTER, P1 ENGRAVING UNIT, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 120

Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 500

#### Protective cap

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### Accessories

Protective cap - QPD QSK 5X2,5 - 1404528



Protective cap, transparent plastic, for 5x 2.5 mm<sup>2</sup> QPD QUICKON connection, IP50.

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Protective cap - QPD QSK BK 5X2,5 FS - 1404525



Protective cap, plastic, for QUICKON connection, black, with retaining cord, IP68

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### Sealing plugs

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, material: PA, for threads pluggable, color: red

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### Socket spanner

Socket wrench - QSS 27 - 1670646



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 27 mm

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