

## H distributor - QPD H 4PE6,0 GY - 1411427

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QUICKON H-distributor, gray, 4+PE-pos., 2.5 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>/690 V/40 A, without QUICKON nut.

### 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 932271
GTIN	4046356932271

### Technical data

#### General

Type	H-distributor
Color	gray
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 mm <sup>2</sup>
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>

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## Technical data

### General

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, L, 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 $I_N$	40 A
Nominal voltage $U_N$	690 V
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

Category of shock impact	IK07
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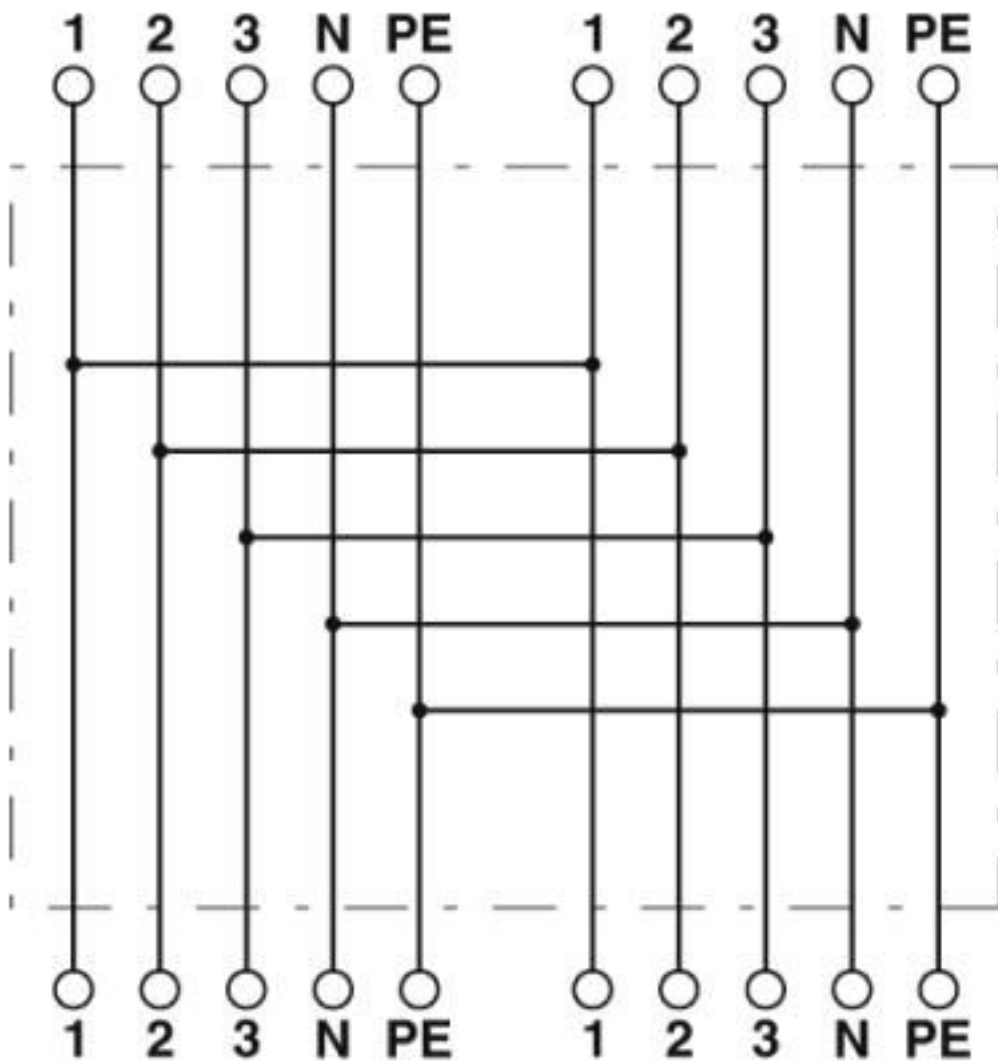
## Technical data

### Standards and Regulations

Flammability rating according to UL 94	V0
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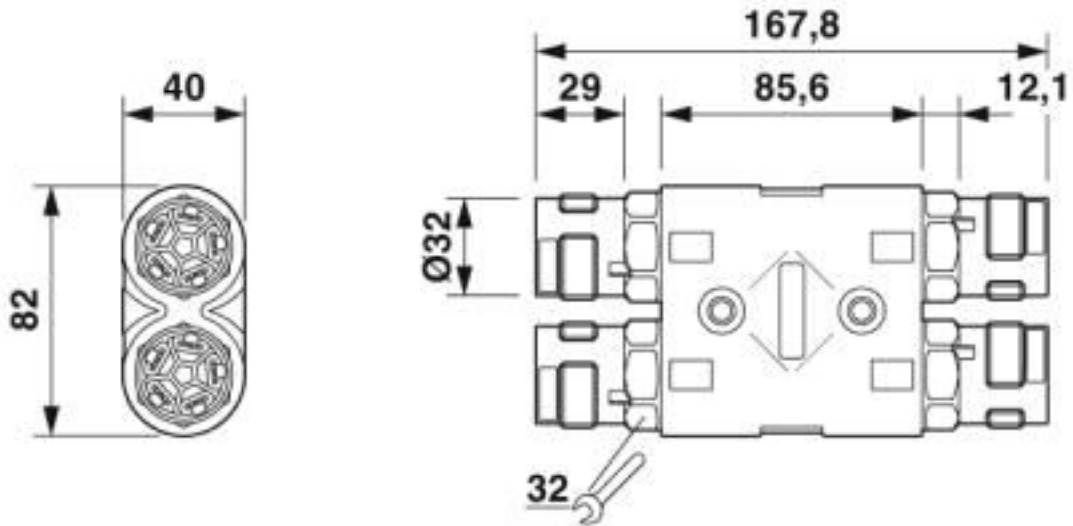
## Drawings

Circuit diagram



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Dimensional drawing



Dimensional drawing

## Classifications

eCl@ss

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 4.0	EC000516
ETIM 5.0	EC002567
ETIM 6.0	EC002925

UNSPSC

UNSPSC 13.2	31251501
UNSPSC 19.0	31251501

## Accessories

Accessories

Coding element

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### Accessories

Coding profile - CP-QPD 5X6,0 - 1411402



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

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### 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

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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

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### Protective cap

Protective cap - QPD QSK 5X6,0 - 1411403



Protective cap, black plastic, for 5 x 2.5 mm<sup>2</sup> QPD connector, IP50.

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Protective cap - QPD QSK GY 5X6,0 FS - 1411401

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



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