

# QPD H 4PE2,5 4X9-16 BK - H distributor



1406369

<https://www.phoenixcontact.com/us/products/1406369>

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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 9 mm ... 16 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
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with 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

## Commercial data

Item number	1406369
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6DCB
Catalog page	Page 481 (C-2-2019)
GTIN	4046356776172
Weight per piece (including packing)	331.1 g
Weight per piece (excluding packing)	327.1 g
Customs tariff number	85366990
Country of origin	PL

## Technical data

### Mounting

Wrench size	27 mm
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### Product properties

Type	H-distributor
Product type	Power distributor
Product family	QPD
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Number of connections	4
No. of cable outlets	4
Coding	Coding profile

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

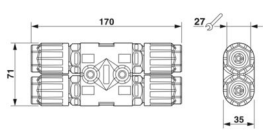
#### Connection technology

Connection method	IDC connection
Frequency of connections between conductors of the same cross section	max. 10

#### Conductor connection

Conductor cross section flexibel	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	16 ... 14
Tightening torque Union nut	10 Nm
Wrench size Union nut	27 mm

### Dimensions

Dimensional drawing	
Width	71 mm
Height	35 mm
Length	170 mm
Wrench size for mounting	27 mm

### Electrical properties

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Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	20 A (See also derating-diagram)
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal voltage $U_N$	690 V AC
	690 V DC
Nominal current $I_N$	20 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	max. 50 (QUICKON connections max. 10)
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## Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Contact	Cu
Material Contact surface	Silver-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE / rubber / TPE

## Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter ( )	9 mm ... 16 mm
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, N, PE
Material wire insulation	PVC / PE / rubber / TPE

## Environmental and real-life conditions

### 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
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

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## Classifications

### ECLASS

ECLASS-11.0	27440603
ECLASS-13.0	27440603
ECLASS-12.0	27440603

### ETIM

ETIM 9.0	EC002567
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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