

1411422

https://www.phoenixcontact.com/us/products/1411422

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QUICKON H-distributor, black, 4+PE-pos., 2.5 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>/690 V/40 A, for cable diameter of 9 mm ... 14 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	1411422
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6DCC
Catalog page	Page 489 (C-2-2019)
GTIN	4046356932240
Weight per piece (including packing)	574.3 g
Weight per piece (excluding packing)	588 g
Customs tariff number	85366990
Country of origin	PL



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# Technical data

### Mounting

Mounting type	direct screw connection
Wrench size	30 mm

### Product properties

Туре	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	5
No. of cable outlets	4
Coding	Coding profile
Insulation characteristics	

Overvoltage category	111
Degree of pollution	3

#### Connection data

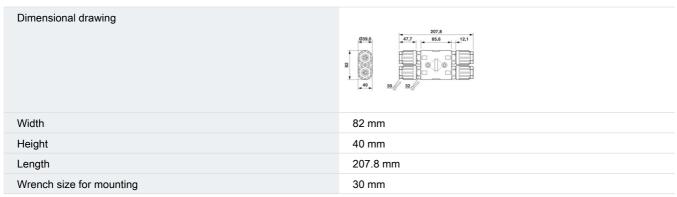
#### Connection technology

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

#### Conductor connection

Conductor cross section flexibel	2.5 mm² 6 mm²
Conductor cross section solid	2.5 mm² 6 mm²
Connection cross section AWG	14 10
Tightening torque Union nut	15 Nm
Wrench size Union nut	30 mm

#### **Dimensions**





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# Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	40 A
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 <sub>N</sub>	40 A

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles max. 50
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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 14 mm
Wire diameter including insulation	2.95 mm 5 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

UNSPSC 21.0

### **ECLASS**

ECLASS-11.0	27440603
ECLASS-13.0	27440603
ECLASS-12.0	27440603
ETIM	
ETIM 9.0	EC002567
UNSPSC	

39121400



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# Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com