

QPD H 3PE1,5 BK - H distributor



1414717

<https://www.phoenixcontact.com/us/products/1414717>

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H distributor, product family: QPD, connection method: IDC connection/ QUICKON fast connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, PA, black, without QUICKON nut

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	1414717
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6DBA
Catalog page	Page 472 (C-2-2019)
GTIN	4055626032191
Weight per piece (including packing)	128.5 g
Weight per piece (excluding packing)	126.7 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Mounting

Wrench size	19 mm
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Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

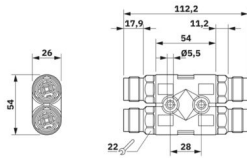
Connection technology

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

Conductor connection

Conductor cross section flexibel	0.5 mm ² ... 1.5 mm ²
Conductor cross section solid	0.5 mm ² ... 1.5 mm ²
Connection cross section AWG	20 ... 16
Tightening torque Union nut	8 Nm
Wrench size Union nut	19 mm

Dimensions

Dimensional drawing	
Width	54 mm
Height	26 mm
Length	143.8 mm

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Wrench size for mounting	19 mm
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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	17.5 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_N	17.5 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
Wire diameter including insulation	1.6 mm ... 3 mm
Position marking	1, 2, 3, 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-12.0	27440603
ECLASS-13.0	27440603

ETIM

ETIM 9.0	EC002567
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UNSPSC

UNSPSC 21.0	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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