QPD T 4PE6,0 2X9-14 BK - T distributor

1411416

https://www.phoenixcontact.com/us/products/1411416

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QUICKON T-distributor, black, 4+PE-pos., 2.5 mm^2 ... 6.0 mm^2/690 V/40 A, for cable diameter of 9 mm ... 14 mm, with two QUICKON nuts

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	1411416
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6DCC
Catalog page	Page 490 (C-2-2019)
GTIN	4046356932189
Weight per piece (including packing)	366.6 g
Weight per piece (excluding packing)	365.5 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

Type	T 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	3
No. of cable outlets	3
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

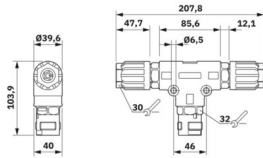### Connection data

Connection technology

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

Conductor connection

Conductor cross section flexibel	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

Dimensional drawing	
Width	103.9 mm
Height	40 mm
Length	207.8 mm

Wrench size for mounting	30 mm

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_N	40 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50

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
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

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

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

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