

QPD T 4PE6,0 3X9-14 BK - T distributor



1411414

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QUICKON T-distributor, black, 4+PE-pos., 2.5 mm² ... 6.0 mm²/690 V/40 A, for cable diameter of 9 mm ... 14 mm, with three 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	1411414
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF6DCC
Catalog page	Page 490 (C-2-2019)
GTIN	4046356931960
Weight per piece (including packing)	397.1 g
Weight per piece (excluding packing)	397.1 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

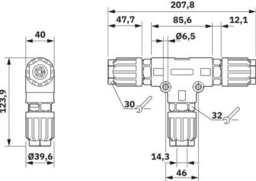
Connection technology

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	123.9 mm
Height	40 mm

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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
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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

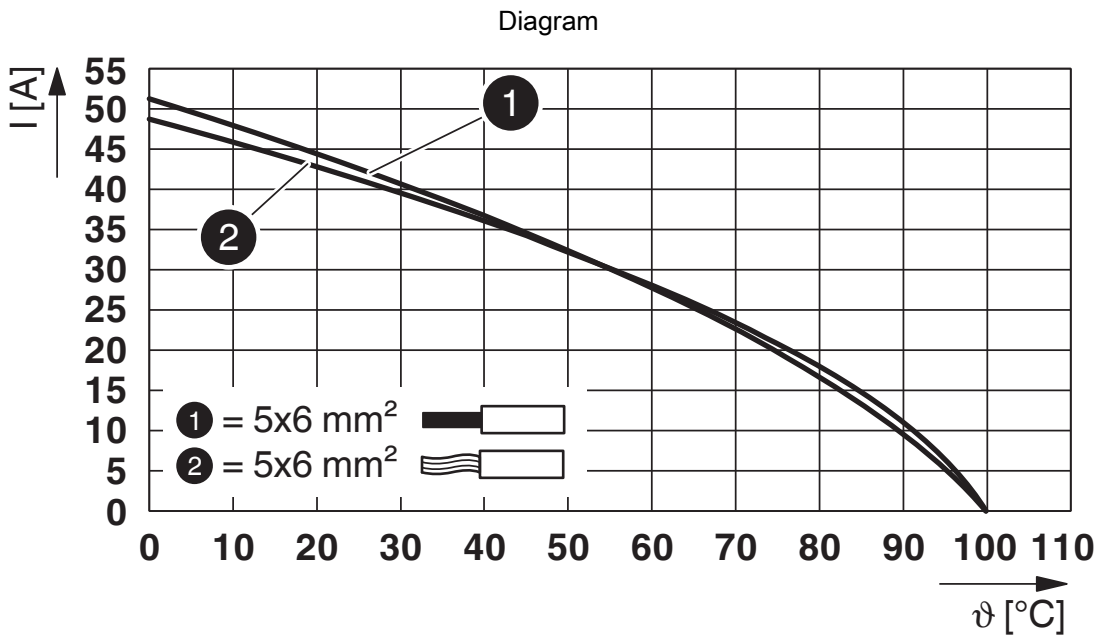
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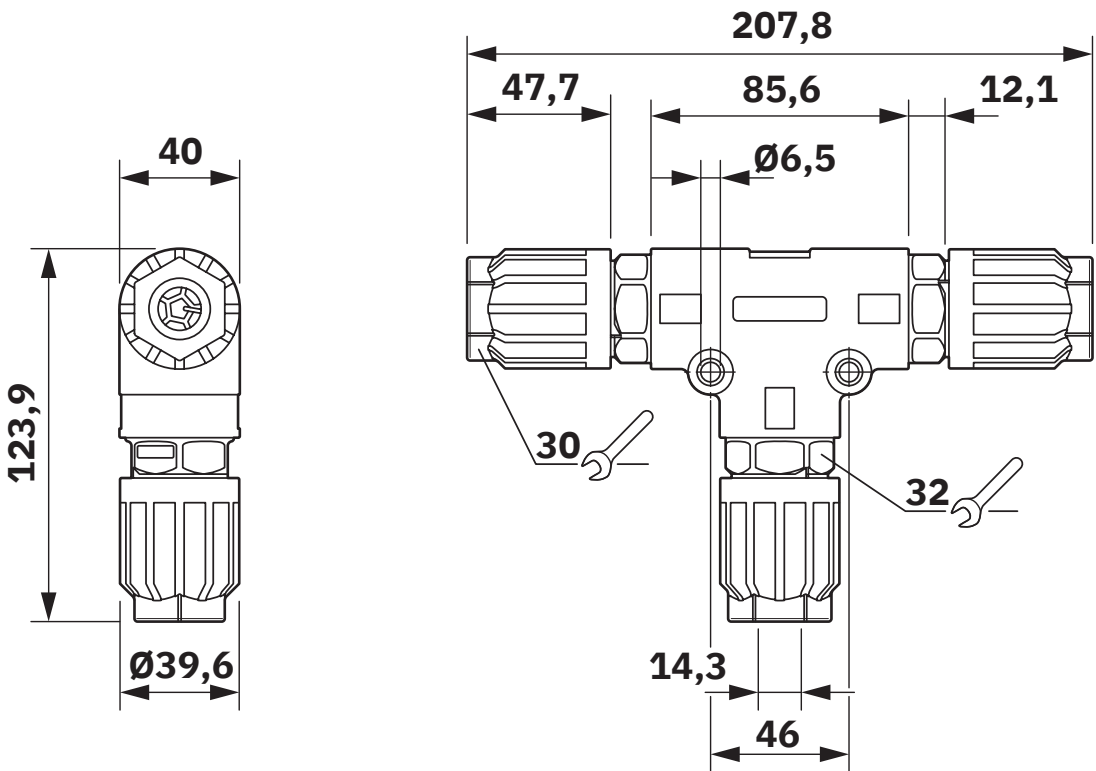
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Drawings



Derating diagram

Dimensional drawing



Dimensional drawing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1411414>



IECEE CB Scheme
Approval ID: DE1-65875



EAC
Approval ID: RU C-DE.BL08.B.00511



DNV GL
Approval ID: TAE00003J5



VDE Zeichengenehmigung
Approval ID: 40029149

	UL Listed Approval ID: E468743			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
		600 V	20 A	-

	cUL Listed Approval ID: E468743			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
		600 V	20 A	- 12

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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

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

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