

QPD T 4PE6,0 BK - T distributor

1417490

<https://www.phoenixcontact.com/us/products/1417490>



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T distributor, connection method: IDC connection/ QUICKON fast connection, number of positions: 4+PE, 2.5 mm² ... 6 mm², 690 V, 40 A, PA, black, without QUICKON nut

Commercial data

Item number	1417490
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	AF6DCC
GTIN	4055626173009
Weight per piece (including packing)	297.8 g
Weight per piece (excluding packing)	289 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Power distributor
Product family	QPD
Type	T distributor
Number of positions	5
Connection profile	4+PE
Number of connections	3
No. of cable outlets	3

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	2.5 mm ² ... 6 mm ²
Conductor cross-section solid	2.5 mm ² ... 6 mm ²
Connection cross section AWG	14 ... 10
Tightening torque Union nut	15 Nm

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 current I _N	40 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
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Material specifications

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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/TPE/rubber

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	2.95 mm ... 5 mm
Material wire insulation	PVC/PE/TPE/rubber
Halogen-free	yes

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Impact strength	IK07 (-25 °C)
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417490>

 UL Listed Approval ID: E468743				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	20 A	- 12	-

 cUL Listed Approval ID: E468743				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	20 A	- 12	-

 DNV GL Approval ID: TAE00003J5				
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Classifications

ECLASS

ECLASS-13.0	27440603
ECLASS-15.0	27440603

ETIM

ETIM 10.0	EC002567
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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