

## T distributor - QPD T 4PE1,5 3X5-10 BK - 1414753

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T distributor, QUICKON connection, No. of pos.: 4+PE, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, 690 V, 17.5 A, black, With three QUICKON nuts, Cable diameter: 5 mm ... 10 mm

### Why buy this product

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Convenient: quick and easy assembly without special tools
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection thanks to polarization against mismatching and touch-proof protection according to 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

RoHS

### Key Commercial Data

Packing unit	1
GTIN	 4 055626 033624
GTIN	4055626033624
Custom tariff number	85366990

### Technical data

#### General

Design	T-distributor
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	5

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## Technical data

### General

Note number of positions	4+PE
Tightening torque, union nut	5 Nm
Tightening torque, counter nut	5 Nm
Number of connections	3
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	16

### Cable

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
Wire insulation material	PVC/PE/TPE/rubber
Wire diameter including insulation	1.6 mm ... 3 mm
External cable diameter	5 mm ... 10 mm
Position marking	1, 2, 3, N, PE

### Ambient conditions

Degree of protection	IP66
	IP68
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

### Electrical characteristics

Nominal current I <sub>N</sub>	17.5 A
Rated current	17.5 A
Rated voltage (III/3)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV

### Mechanical characteristics

QUICKON connectability	max. 10
Insertion/withdrawal cycles	10 (Quickon connections max. 10)

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#### Mechanical characteristics

Category of shock impact	IK07
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#### Material data

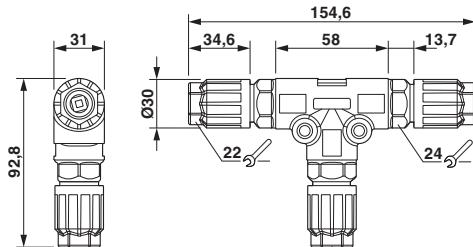
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

#### Standards and Regulations

Flammability rating according to UL 94	V0
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### Drawings

Dimensional drawing



Dimensional drawing

### Classifications

#### eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440603
eCl@ss 9.0	27440106

#### ETIM

ETIM 5.0	EC000421
ETIM 6.0	EC002925

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### Classifications

#### UNSPSC

UNSPSC 13.2	31251501
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### Approvals

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GL / VDE approval of drawings / IECEE CB Scheme

#### Ex Approvals

### Approval details

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6195914 HH
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VDE approval of drawings		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx</a>	40029149
mm <sup>2</sup> /AWG/kcmil		0.5-1.5	
Nominal current IN		17.5 A	
Nominal voltage UN		690 V	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58228
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### Accessories

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#### Coding element

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### Accessories

Coding profile - CP-QPD 5X1,5 - 1414760



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

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### Device marking

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, unlabeled, can be labeled with: P1 ENGRAVING UNIT, ENGRAVING UNIT, CMS-P1-PLOTTER, PLOTMARK, Mounting type: Adhesive, Lettering field: 13 x 9 mm

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### Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMMASTER 300/600, THERMOMARK X1.2, Mounting type: Adhesive, Lettering field: 13 x 9 mm

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### Protective cap

Protective cap - QPD QSK BK 5X1,5 FS - 1414728



Protective cap, plastic, for QUICKON connection, black, with retaining cord, IP68

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### Protective cap - QPD QSK 5X1,5 - 1414758



Protective cap plastic, for QPD-QUICKON connection 5 x 1.5 mm<sup>2</sup>, IP54

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### Accessories

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#### Sealing plugs

Closing cap - SEALING PLUG 7X16 RD - 1400255



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 7 mm

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#### Socket spanner

Socket wrench - QSS 22 - 1670206



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

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