

T distributor - QPD T 4PE 2X9-16 BK - 1405404

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



QUICKON T-distributor, black, 4+PE-pos., 1.0 mm² ... 2.5 mm²/690 V/20 A, for cable diameter of 9 mm ... 16 mm, with two QUICKON nuts

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 STK
GTIN	 4 046356 776110
GTIN	4046356776110
Weight per Piece (excluding packing)	220.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Design	T-distributor
Color	black
Locking type	Screw locking
Connection method	QUICKON connection

T distributor - QPD T 4PE 2X9-16 BK - 1405404

Technical data

General

	IDC connection
Number of positions	5
Note number of positions	4+PE
Wrench size, union nut	27 mm
Tightening torque, union nut	10 Nm
Number of connections	3
Conductor cross section flexible min.	1 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	1 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	14

Cabel

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	2 mm ... 3.8 mm
External cable diameter	9 mm ... 16 mm
Position marking	1, 2, 3, N, PE

Ambient conditions

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

Electrical characteristics

Nominal current I _N	20 A
Rated current	20 A (See also derating-diagram)
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
------------------------	---------

T distributor - QPD T 4PE 2X9-16 BK - 1405404

Technical data

Mechanical characteristics

Insertion/withdrawal cycles	50 (Quickon connections max. 10)
Category of shock impact	IK07

Material data

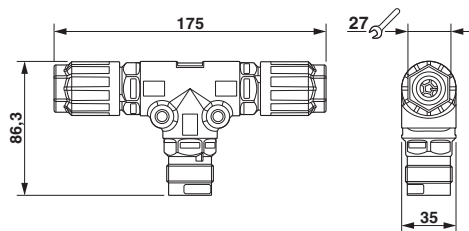
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

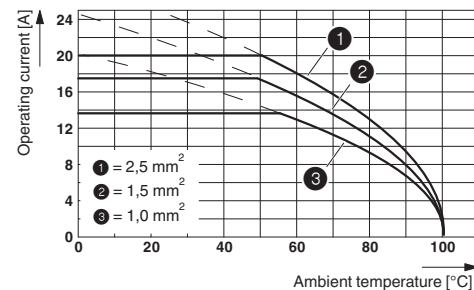
Flammability rating according to UL 94	V0
--	----

Drawings

Dimensional drawing



Diagram



Dimensional drawing

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440603
eCl@ss 9.0	27440106

T distributor - QPD T 4PE 2X9-16 BK - 1405404

Classifications

ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002567
ETIM 6.0	EC002567

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

VDE Zeichengenehmigung / IEC EE CB Scheme / EAC / GL / VDE approval of drawings / IEC EE CB Scheme

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40037105
------------------------	---	---	----------

IECEE CB Scheme		http://www.iecee.org/	DE1-52871
-----------------	---	---	-----------

EAC			7500651.22.01.00246
-----	---	--	---------------------

T distributor - QPD T 4PE 2X9-16 BK - 1405404

Approvals

GL		http://exchange.dnv.com/tari/	6195914 HH
----	---	---	------------

VDE approval of drawings		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40029149
mm²/AWG/kcmil		1-2.5	
Nominal current I _N		20 A	
Nominal voltage U _N		690 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-58228
-----------------	---	---	-----------

Accessories

Accessories

Coding element

Coding profile - CP-QPD 5X2,5 - 1404530



Coding profile, red, for insertion into the 5-pos. QUICKON dome and connector, can be positioned in 72° increments.

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

T distributor - QPD T 4PE 2X9-16 BK - 1405404

Accessories

Plastic label - EMLP (13X9)R - 0819453



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

Protective cap

Protective cap - QPD QSK 5X2,5 - 1404528



Protective cap, transparent plastic, for 5x 2.5 mm² QPD QUICKON connection, IP50.

Protective cap - QPD QSK BK 5X2,5 FS - 1404525



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

Sealing plugs

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap

Socket spanner

T distributor - QPD T 4PE 2X9-16 BK - 1405404

Accessories

Socket wrench - QSS 27 - 1670646



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 27 mm

Phoenix Contact 2017 © - all rights reserved
<http://www.phoenixcontact.com>