

QPD T3PE2,5 2X6-10 BK - T distributor



1424047

<https://www.phoenixcontact.com/us/products/1424047>

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 documentation. Our general terms of use for downloads are valid.



T distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

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	1424047
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6DBB
Catalog page	Page 482 (C-2-2019)
GTIN	4055626366494
Weight per piece (including packing)	158.4 g
Weight per piece (excluding packing)	158 g
Customs tariff number	85444290
Country of origin	PL

QPD T3PE2,5 2X6-10 BK - T distributor



1424047

<https://www.phoenixcontact.com/us/products/1424047>

Rated surge voltage (II/2)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (III/3)	6 kV
Rated current	20 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	690 V
Rated voltage (III/3)	690 V
Nominal voltage U_N	690 V AC
	690 V DC
Nominal current I_N	20 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/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
External cable diameter	6 mm ... 10 mm
Wire diameter including insulation	2 mm ... 3.6 mm
Position marking	1, 2, 3, PE
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 (Distance from the nozzle 150 mm)
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 ... 100 °C

QPD T3PE2,5 2X6-10 BK - T distributor

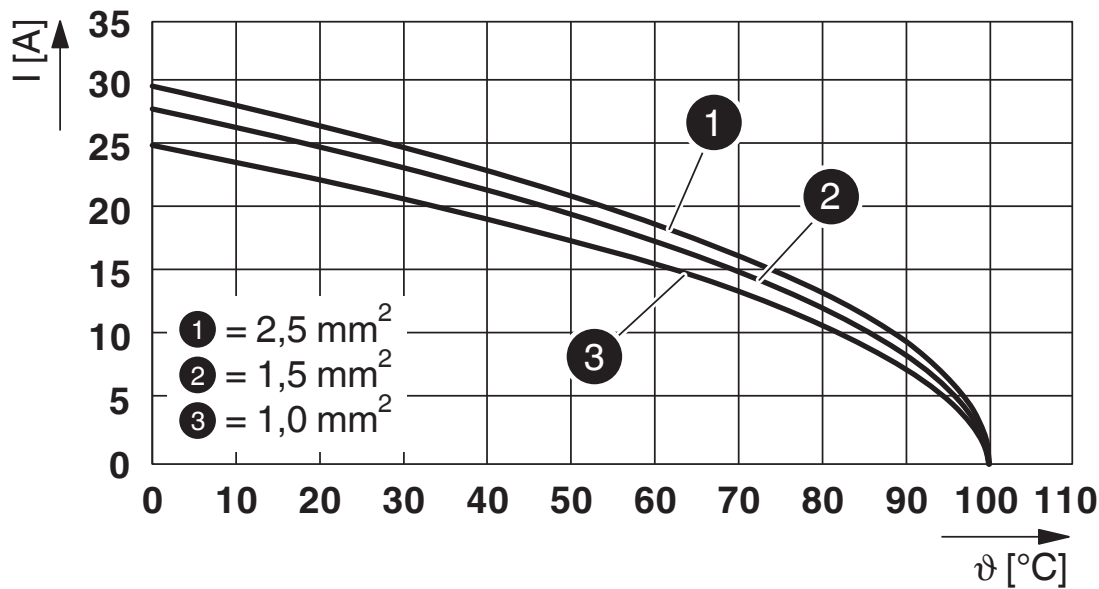


1424047

<https://www.phoenixcontact.com/us/products/1424047>

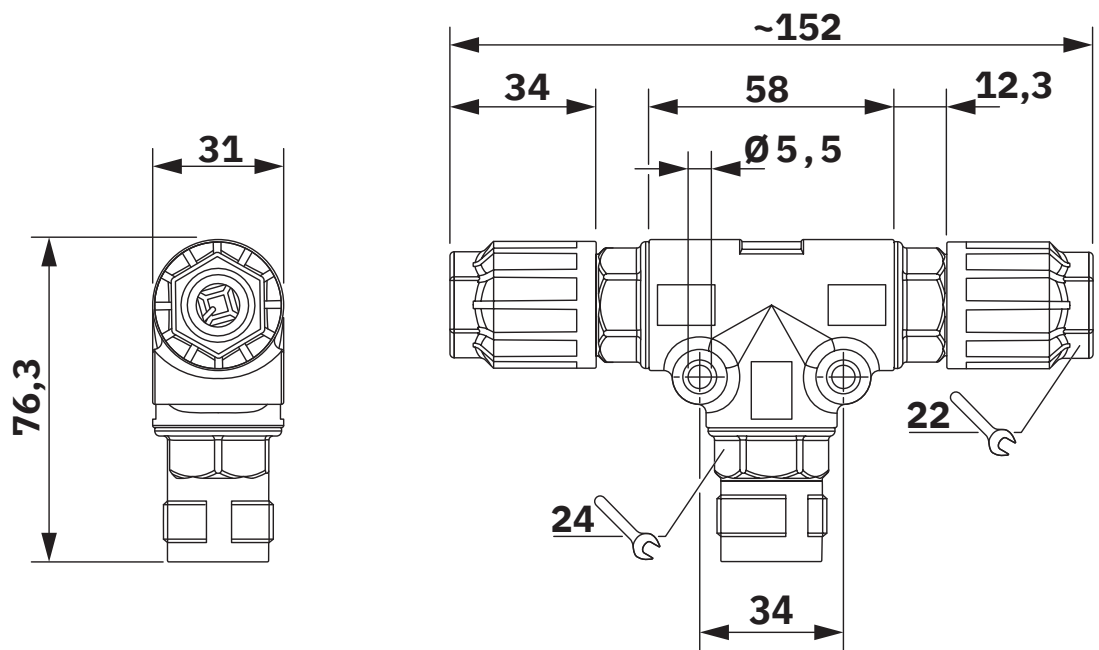
Drawings

Diagram



Derating diagram

Dimensional drawing

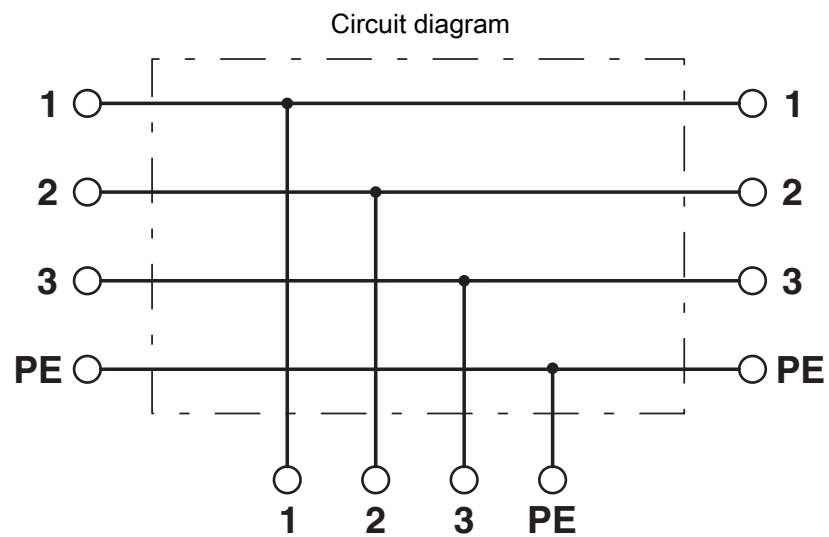


Dimensional drawing

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



QPD T3PE2,5 2X6-10 BK - T distributor



1424047

<https://www.phoenixcontact.com/us/products/1424047>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424047>



IECEE CB Scheme

Approval ID: DE1-65875



EAC

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



VDE Zeichengenehmigung

Approval ID: 40029149



UL Listed

Approval ID: E468743



cUL Listed

Approval ID: E468743

cULus Listed

QPD T3PE2,5 2X6-10 BK - T distributor



1424047

<https://www.phoenixcontact.com/us/products/1424047>

Classifications

ECLASS

ECLASS-11.0	27440603
ECLASS-12.0	27440603
ECLASS-13.0	27440603

ETIM

ETIM 9.0	EC002567
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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%

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



Mandatory accessories

QPD P3PE2,5 6-10 BK - Connector

1423987

<https://www.phoenixcontact.com/us/products/1423987>



Connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD N2,5 6-10 BK - Nut

1423993

<https://www.phoenixcontact.com/us/products/1423993>



Nut, product family: QPD, connection method: IDC connection, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, external cable diameter: 6 mm ... 10 mm

Accessories

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



CP QPD 4X2,5 - Coding profile

1425950

<https://www.phoenixcontact.com/us/products/1425950>



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

QPD QSK 5X1,5 - Protective cap

1414758

<https://www.phoenixcontact.com/us/products/1414758>



Protective cap plastic, for QPD-QUICKON connection 5x 1.5 mm², IP50

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



QPD QSK BK 5X1,5 FS - Protective cap

1414728

<https://www.phoenixcontact.com/us/products/1414728>

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



SEALING PLUG 10X16 RD - Sealing plug

1400284

<https://www.phoenixcontact.com/us/products/1400284>

Sealing plug, for threads pluggable, color: red



QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



QPD W3PE2,5 6-10 M25 0,5 BK - Panel feed-through

1423975

<https://www.phoenixcontact.com/us/products/1423975>



Panel feed-through, product family: QPD, connection method: Single wires (Welded-on)/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm², wires cut flat at the end, cable length: 0.5 m

QPD W3PE2,5 6-10 M25 1,0 BK - Panel feed-through

1423974

<https://www.phoenixcontact.com/us/products/1423974>



Panel feed-through, product family: QPD, connection method: Single wires (Welded-on)/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm², wires cut flat at the end, cable length: 1 m

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



QPD W3PE2,5 6-10 M25 FC BK - Panel feed-through

1423976

<https://www.phoenixcontact.com/us/products/1423976>



Panel feed-through, product family: QPD, connection method: Spade connection/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm²

QPD W3PE2,5 6-10 M25 DT BK - Panel feed-through

1423977

<https://www.phoenixcontact.com/us/products/1423977>



Panel feed-through, product family: QPD, connection method: Push-in connection/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 400 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm²

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



QPD C3PE2,5 1X6-10 BK - Conductor connector

1423991

<https://www.phoenixcontact.com/us/products/1423991>



Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with one QUICKON nut, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD C3PE2,5 2X6-10 BK - Conductor connector

1423989

<https://www.phoenixcontact.com/us/products/1423989>



Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



QPD T3PE2,5 3X6-10 BK - T distributor

1424045

<https://www.phoenixcontact.com/us/products/1424045>



T distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, With three QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD H3PE2,5 4X6-10 BK - H distributor

1423971

<https://www.phoenixcontact.com/us/products/1423971>



H distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with four QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

<https://www.phoenixcontact.com/us/products/1424047>



QSS 22 - Socket wrench

1670206

<https://www.phoenixcontact.com/us/products/1670206>



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

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com