T distributor - QPD T 4PE6,0 2X12-20 BK - 1411417

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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 12 mm ... 20 mm, with two QUICKON nuts

Your advantages

- 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 pc
GTIN	4 046356 932196
GTIN	4046356932196
Weight per Piece (excluding packing)	360.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

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

T distributor - QPD T 4PE6,0 2X12-20 BK - 1411417

Technical data

General

	IDC connection
Number of positions	5
Note number of positions	4+PE
Wrench size, union nut	30 mm
Tightening torque, union nut	15 Nm
Number of connections	3
Conductor cross section flexible min.	2.5 mm²
Conductor cross section flexible max.	6 mm²
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	10

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	2.95 mm ... 5 mm
External cable diameter	12 mm ... 20 mm
Position marking	1, 2, 3, N, PE

Ambient conditions

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

Electrical characteristics

Nominal current I_N	40 A
Nominal voltage U_N	690 V AC
	690 V DC
Rated current	40 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

T distributor - QPD T 4PE6,0 2X12-20 BK - 1411417

Technical data

Mechanical characteristics

QUICKON connectability	max. 10
Category of shock impact	IK07 (-25 °C)

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

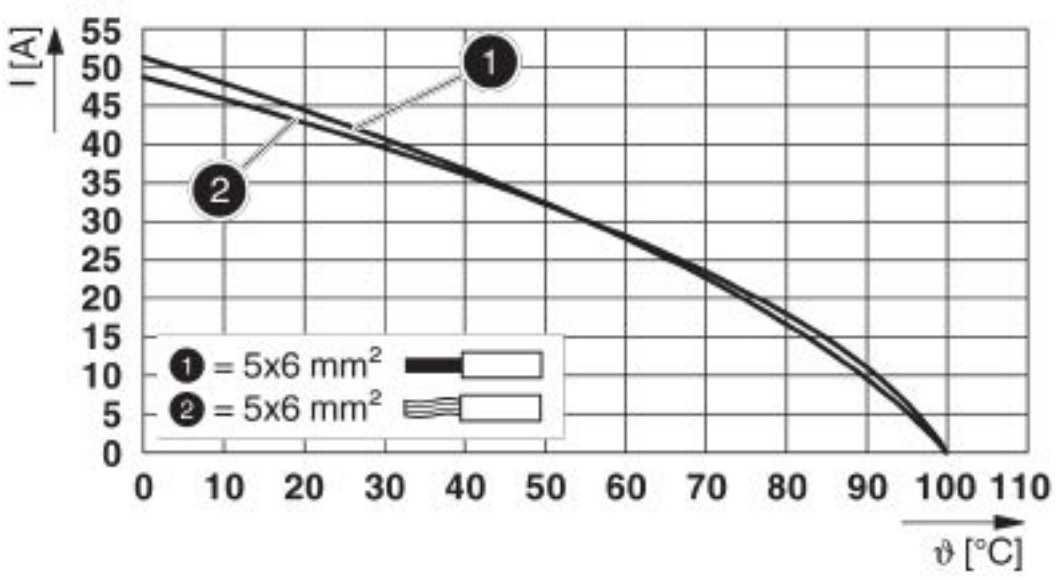
Category of shock impact	IK07 (-25 °C)
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

Drawings

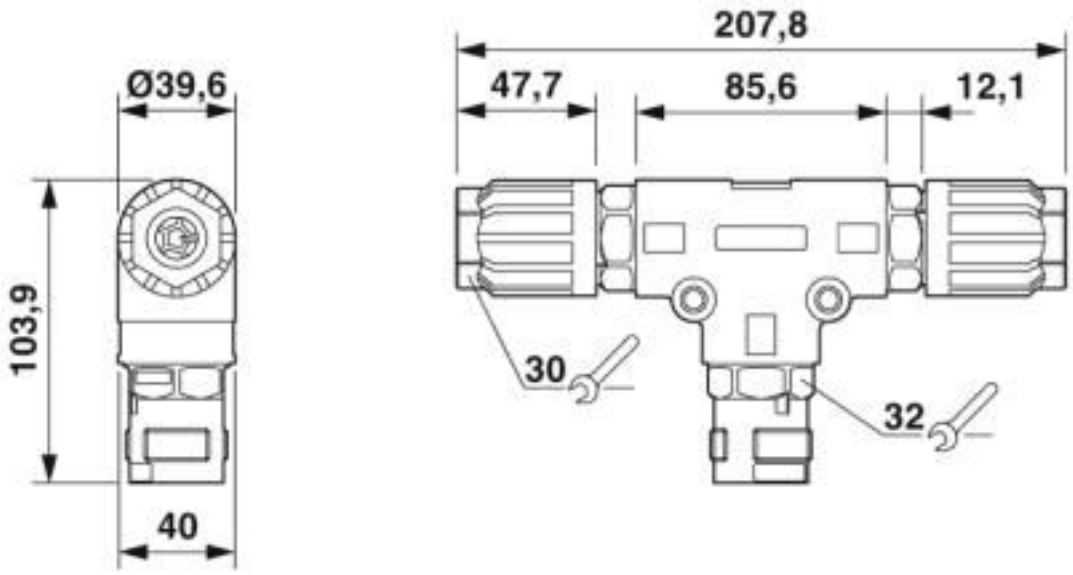
Diagram



Derating diagram

T distributor - QPD T 4PE6,0 2X12-20 BK - 1411417

Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440603
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440603
eCl@ss 8.0	27440603
eCl@ss 9.0	27440603

ETIM

ETIM 4.0	EC002635
ETIM 5.0	EC002567
ETIM 6.0	EC002567
ETIM 7.0	EC002567

UNSPSC

UNSPSC 13.2	31251501

T distributor - QPD T 4PE6,0 2X12-20 BK - 1411417

Classifications

UNSPSC

UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

EAC / EAC / DNV GL / IECEE CB Scheme / VDE Zeichengenehmigung

Ex Approvals

Approval details

EAC			RU C-DE.AI30.B.01102
EAC			RU C-DE.BL08.B.00511
DNV GL		https://approvalfinder.dnvgl.com/	TAE00003J5
IECEE CB Scheme		http://www.iecee.org/	DE1-61559
VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149

Nominal voltage UN	690 V

T distributor - QPD T 4PE6,0 2X12-20 BK - 1411417

Approvals

Nominal current IN	40 A
mm²/AWG/kcmil	2.5-6

Accessories

Accessories

Coding element

Coding profile - CP-QPD 5X6,0 - 1411402



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: PLOTMARK, ENGRAVING UNIT, CMS-P1-PLOTTER, P1 ENGRAVING UNIT, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 120

Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 500

Protective cap

Protective cap - QPD QSK 5X6,0 - 1411403



Protective cap, black plastic, for 5 x 2.5 mm² QPD connector, IP50.

T distributor - QPD T 4PE6,0 2X12-20 BK - 1411417

Accessories

Protective cap - QPD QSK BK 5X6,0 FS - 1411400



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

Sealing plugs

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap, material: PA, for threads pluggable, color: red

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