

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 mm² ... 1.5 mm², 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 ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 16 |

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 | 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 _N | 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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Technical data

Mechanical characteristics

| | |
|--------------------------|------|
| Category of shock impact | IK07 |
|--------------------------|------|

Material data

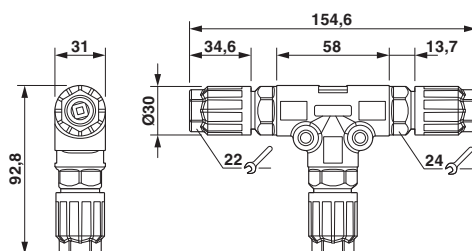
| | |
|--|---------------|
| Contact material | Cu |
| Contact surface material | silver-plated |
| Contact carrier material | PA |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Overvoltage category | III |
| Degree of pollution | 3 |

Standards and Regulations

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

Drawings

Dimensional drawing



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 |
|-------------|----------|

Approvals


Approvals


Approvals


GL / VDE approval of drawings / IECEE CB Scheme

Ex Approvals

Approval details

| | | | |
|----|---|---|------------|
| 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 | | 0.5-1.5 | |
| Nominal current I _N | | 17.5 A | |
| Nominal voltage U _N | | 690 V | |

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

Accessories

Accessories

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.

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

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 BK 5X1,5 FS - 1414728



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

Protective cap - QPD QSK 5X1,5 - 1414758



Protective cap plastic, for QPD-QUICKON connection 5 x 1.5 mm², IP54

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Accessories

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

Socket spanner

Socket wrench - QSS 22 - 1670206



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