

QPD T 4PE6,0 2X12-20 GY - T distributor



1411421

<https://www.phoenixcontact.com/us/products/1411421>

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QUICKON T-distributor, gray, 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
- 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 | 1411421 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | BF6DCC |
| Catalog page | Page 189 (NTK-2014) |
| GTIN | 4046356932233 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Country of origin | PL |

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Technical data

Mounting

| | |
|---------------|-------------------------|
| Mounting type | direct screw connection |
|---------------|-------------------------|

Product properties

| | |
|-----------------------|-------------------|
| Product type | Power distributor |
| Product family | QPD |
| Type | T distributor |
| Number of positions | 5 |
| Connection profile | 4+PE |
| Position marking | 1, 2, L, N, PE |
| Number of connections | 3 |
| No. of cable outlets | 3 |
| Coding | Coding profile |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Connection data

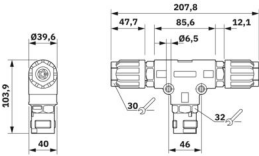
Connection technology

| | |
|---|----------------|
| Connection method | IDC connection |
| Frequency of connections between conductors of the same cross section | max. 10 |

Conductor connection

| | |
|----------------------------------|-------------------|
| Conductor cross section flexibel | 2.5 mm² ... 6 mm² |
| Conductor cross section solid | 2.5 mm² ... 6 mm² |
| Connection cross section AWG | 14 ... 10 |
| Tightening torque Union nut | 15 Nm |
| Wrench size Union nut | 30 mm |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 103.9 mm |
| Height | 40 mm |
| Length | 207.8 mm |
| Wrench size | 30 mm |

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| | |
|--------------------------|-------|
| Wrench size for mounting | 30 mm |
|--------------------------|-------|

Electrical properties

| | |
|-----------------------------|--------|
| Rated surge voltage (II/2) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (III/3) | 6 kV |
| Rated current | 40 A |
| Contact resistance | < 3 mΩ |
| rated voltage (II/2) | 1000 V |
| rated voltage (III/2) | 1000 V |
| Rated voltage (III/3) | 690 V |
| Nominal voltage U_N | 690 V |
| Nominal current I_N | 40 A |

Material specifications

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

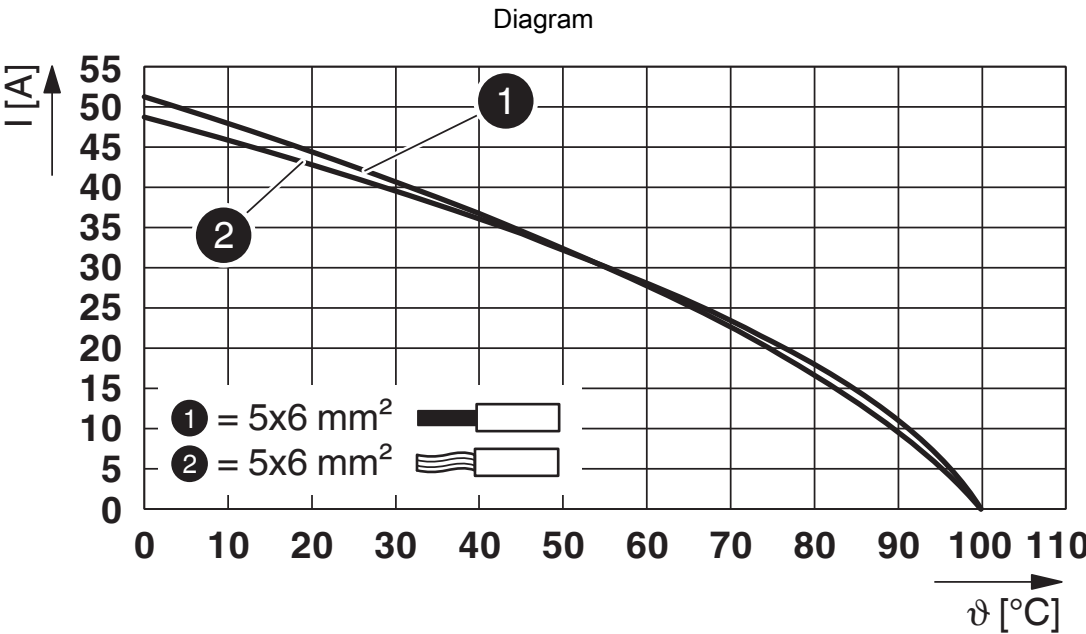
| | |
|---|------------------------------------|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 1 to 6/min. 0.15 mm |
| External cable diameter | 12 mm ... 20 mm |
| Wire diameter including insulation | 2.95 mm ... 5 mm |
| Position marking | 1, 2, L, N, PE |
| Material wire insulation | PVC/PE/TPE/rubber |

Environmental and real-life conditions

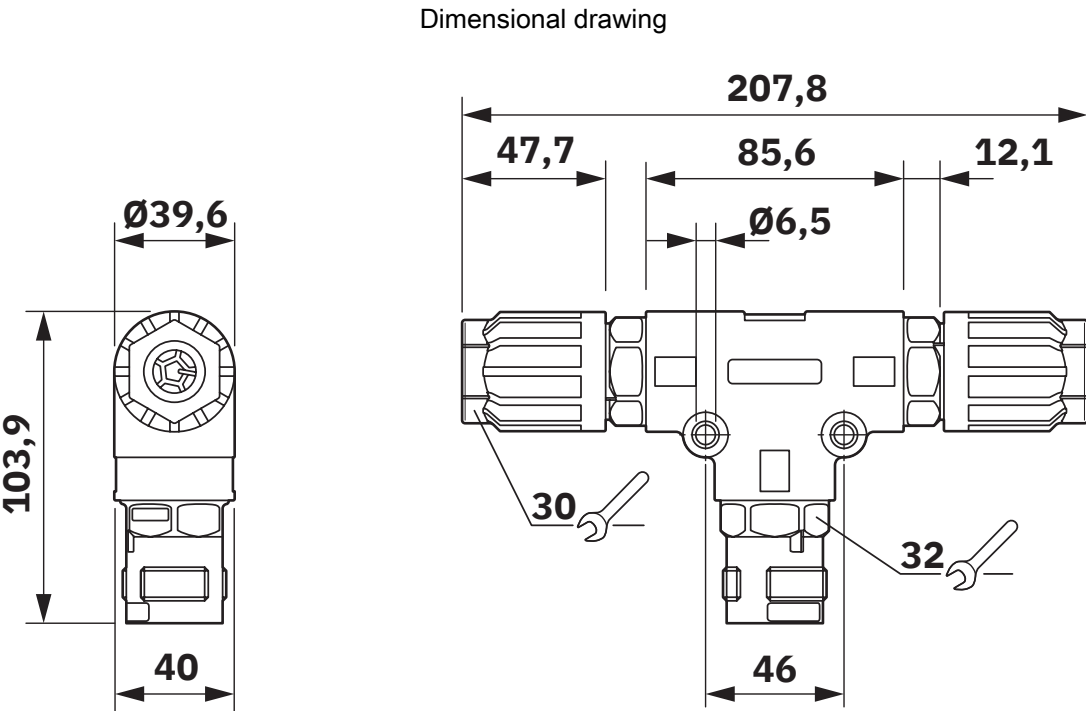
Ambient conditions

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

Drawings



Derating diagram



Dimensional drawing

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440603 |
| ECLASS-13.0 | 27440603 |

Environmental product compliance

| | |
|--|---|
| China RoHS | |
| Environment friendly use period (EFUP) | <div>EFUP-50</div> <div>An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.</div> |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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Accessories

CP-QPD 5X6,0 - Coding profile

1411402

<https://www.phoenixcontact.com/us/products/1411402>



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

QPD QSK 5X6,0 - Protective cap

1411403

<https://www.phoenixcontact.com/us/products/1411403>



Protective cap, product family: QPD, Plastic, black

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QPD QSK GY 5X6,0 FS - Protective cap

1411401

<https://www.phoenixcontact.com/us/products/1411401>

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

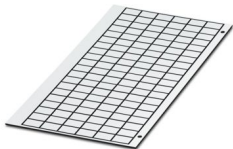


GPE 13X 9 WH - Engraving material

0806932

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



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EMLP (13X9)R - Label

0819453

<https://www.phoenixcontact.com/us/products/0819453>



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 500

SEALING PLUG 14X22 RD - Closing cap

1400270

<https://www.phoenixcontact.com/us/products/1400270>



Closing cap, for threads pluggable, color: red

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