

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

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

Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4046356932196 |

Technical data

General

| | |
|---------------------------------------|---------------------|
| Type | T-distributor |
| Color | black |
| Locking type | Screw locking |
| Connection method | QUICKON connection |
| | 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 mm ² |

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Technical data

General

| | |
|---------------------------------------|---------------------|
| Conductor cross section flexible max. | 6 mm ² |
| Conductor cross section solid min. | 2.5 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| 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 |
| 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 |

Mechanical characteristics

| | |
|--------------------------|---------|
| QUICKON connectability | 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 |

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Technical data

Standards and Regulations

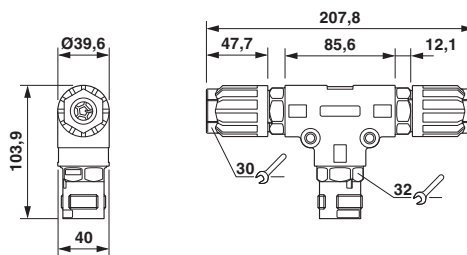
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Drawings

Dimensional drawing



Dimensional drawing

Approvals

Approvals

Approvals

GL / VDE approval of drawings / IECCEB Scheme / EAC

Ex Approvals


Approval details


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

| | | | |
|----------------------------|---------|---|----------|
| VDE approval of drawings | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40029149 |
| Nominal voltage UN | 690 V | | |
| Nominal current IN | 40 A | | |
| mm ² /AWG/kcmil | 2.5-6.0 | | |

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Approvals

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

| | | | |
|-----|---|--|--------------------------|
| EAC |  | | RU C- DE.AI30.B.01102 |
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