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QUICKON T-distributor, for T-shaped power branches with round cables, 2.5 to 4 mm<sup>2</sup>, wiring of the unseparated master cable with black wing nut and the T-branch with QUICKON fast connection.



The illustration shows a combination of versions Q 4,0/5IDC/KU-T and Q-MU-T



## Key commercial data

| Packing unit                         | 1 pc       |
|--------------------------------------|------------|
| Weight per Piece (excluding packing) | 281.61 GRM |
| Custom tariff number                 | 85366990   |
| Country of origin                    | Germany    |

## Technical data

#### General

| Connection                            | If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load. The QUICKON T-distributor is designed for permanent installation. |
|---------------------------------------|---|
| Design                                | T-distributor   |
| Color                                 | light grey RAL 7035   |
| Locking type                          | Screw locking   |
| Connection method                     | QUICKON connection  |
|                                       | IDC connection  |
| Number of positions                   | 5   |
| Wrench size, union nut                | 30 mm   |
| Tightening torque, union nut          | 10 Nm   |
| Tightening torque, counter nut        | 12 Nm   |
| Number of connections                 | 10  |
| Conductor cross section stranded min. | 2.5 mm <sup>2</sup>   |



# Technical data

#### General

| Conductor cross section stranded max.  | 4 mm <sup>2</sup> |
|--|-------------------|
| Conductor cross section AWG/kcmil min. | 14                |
| Conductor cross section AWG/kcmil max  | 12                |

### Conductor

| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2 to 5 / 0.25 mm   |
|---|--|
| Wire insulation material  | PVC/PE   |
| Wire diameter including insulation  | 2.4 mm 4.3 mm  |
| External cable diameter   | 9 mm 16 mm (branch line)   |
|   | 9 mm 16 mm (Master cable (for diameters < 13.5 mm, additional insert seals are available)) |

#### Ambient conditions

| Degree of protection                    | IP65   |
|---|--|
| Ambient temperature (operation)         | -40 °C 80 °C   |
| Ambient temperature (storage/transport) | -40 °C 70 °C   |
| Temperature when conductor connected    | 10 $^\circ\text{C}$ 50 $^\circ\text{C}$ (specifications of the cable manufacturer must also be observed) |

### Electrical characteristics

| Nominal current I <sub>N</sub> | 32 A (At ambient temperature 40°C) |
|--------------------------------|------------------------------------|
| Rated current                  | 32 A                               |
| Rated voltage (III/3)          | 630 V                              |
| Rated voltage (III/2)          | 1000 V                             |
| Rated voltage (II/2)           | 1000 V                             |
| Rated surge voltage (III/3)    | 8 kV                               |
| Rated surge voltage (III/2)    | 8 kV                               |
| Rated surge voltage (II/2)     | 8 kV                               |

### Mechanical characteristics

| QUICKON connectability | max. 10 |
|------------------------|---------|
|                        |         |

### Material data

| Contact material                        | Cu alloy                         |
|---|----------------------------------|
| Contact surface material                | Pre-nickel plated and tin-plated |
| Insulating material                     | РА                               |
| Inflammability class according to UL 94 | V2                               |
| Surge voltage category                  | 111                              |
| Pollution degree                        | 3                                |



# Classifications

### eCl@ss

| eCl@ss 4.0 | 27140815 |
|------------|----------|
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27449001 |

#### ETIM

| ETIM 2.0 | EC000516 |
|----------|----------|
| ETIM 3.0 | EC000516 |
| ETIM 4.0 | EC000516 |
| ETIM 5.0 | EC002635 |

### UNSPSC

| UNSPSC 6.01   | 30211923 |
|---------------|----------|
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121522 |

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details



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# Conductor T connector - Q 4,0/5IDC/KU-T - 1641963

## Approvals

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| mm²/AWG/kcmil      | 14-12 |
|--------------------|-------|
| Nominal current IN | 25 A  |
| Nominal voltage UN | 600 V |

| mm²/AWG/kcmil      | 14-12 |
|--------------------|-------|
| Nominal current IN | 25 A  |
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# GOST 📀

# cULus Recognized

### Accessories

Accessories

Mounting material

Round/slip-on connection - Q-MU-T - 1640993



Nut, plastic, to lock the distributor in the case of panel feed-throughs

#### Seal



### Accessories

Insert seal - Q-T-EDG-K - 1580011



Insert seal for QUICKON T-distributor, for IP65 sealing of thin power conductors (9 - 11 mm)

Insert seal - Q-T-EDG-M - 1580024



Insert seal for QUICKON T-distributor, for IP65 sealing of thin power conductors (10 - 12.5 mm)

Insert seal - Q-T-EDG-G - 1580037



Insert seal for QUICKON T-distributor, for IP65 sealing of thin power conductors (11.5 mm ... 14 mm)

Stripping tool - KAMES MULTI - 1209075



Stripping tool, for stripping cables of 4.5 mm - 40 mm-Ø, insulation thickness of up to 4.5 mm, pivoting blade for round, lengthwise, and spiral cuts

Drawings





Derating diagram



Explosion drawing





Dimensioned drawing



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