

## T distributor - QPD T 3PE1,5 3X8-13 BK - 1414710

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T distributor, QUICKON connection, number of positions: 3+PE, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, 690 V, 17.5 A, black, With three QUICKON nuts, cable diameter range: 10 mm ... 13 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

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 STK   |
| GTIN         | <br>4 055626 032061 |
| GTIN         | 4055626032061   |

### Technical data

#### General

|                                       |                     |
|---------------------------------------|---------------------|
| Type                                  | T-distributor       |
| Color                                 | black               |
| Locking type                          | Screw locking       |
| Connection method                     | QUICKON connection  |
|                                       | IDC connection      |
| Number of positions                   | 4                   |
| Note number of positions              | 3+PE                |
| Tightening torque, union nut          | 8 Nm                |
| Tightening torque, counter nut        | 5 Nm                |
| Number of connections                 | 3                   |
| Conductor cross section flexible min. | 0.5 mm <sup>2</sup> |

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## Technical data

### General

|                                       |                     |
|---------------------------------------|---------------------|
| Conductor cross section flexible max. | 1.5 mm <sup>2</sup> |
| Conductor cross section solid min.    | 0.5 mm <sup>2</sup> |
| Conductor cross section solid max.    | 1.5 mm <sup>2</sup> |
| 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   | 10 mm ... 13 mm                    |
| Position marking  | 1, 2, 3, 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 <sub>N</sub> | 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 |
| 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           |

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## Technical data

### Material data

|                     |   |
|---------------------|---|
| Degree of pollution | 3 |
|---------------------|---|

### Standards and Regulations

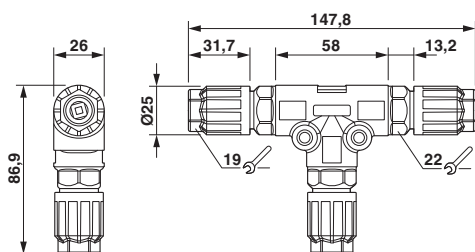
|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

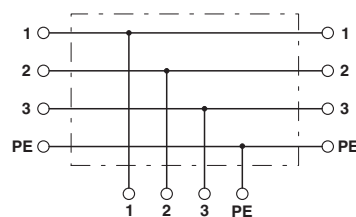
|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Drawings

Dimensional drawing



Circuit diagram



Dimensional drawing

## Approvals

### Approvals

#### Approvals

GL / VDE approval of drawings / IECEx CB Scheme / EAC

#### Ex Approvals

### Approval details

|    |  |   |            |
|----|--|---|------------|
| GL |  | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | 6195914 HH |
|----|--|---|------------|

|                          |  |   |          |
|--------------------------|--|---|----------|
| VDE approval of drawings |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40029149 |
|--------------------------|--|---|----------|


|                    |        |
|--------------------|--------|
| Nominal voltage UN | 690 V  |
| Nominal current IN | 17.5 A |

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### Approvals

|                            |         |
|----------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil | 0.5-1.5 |
|----------------------------|---------|

|                 |   |   |           |
|-----------------|---|---|-----------|
| IECEE CB Scheme |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58228 |
|-----------------|---|---|-----------|

|     |   |  |                          |
|-----|---|--|--------------------------|
| EAC |  |  | RU C-<br>DE.AI30.B.01102 |
|-----|---|--|--------------------------|

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>