

## H distributor - QPD H 3PE1,5 4X8-13 BK - 1414716

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H distributor, QUICKON connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, with QUICKON nut, cable diameter range: 10 mm ... 13 mm, with a sealing bolt

### Your advantages

- ✓ 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 pc                                                                                                    |
| GTIN                                 | <br>4 055626 032177 |
| GTIN                                 | 4055626032177                                                                                           |
| Weight per Piece (excluding packing) | 169.000 g                                                                                               |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### General

|                          |                    |
|--------------------------|--------------------|
| Type                     | H-distributor      |
| Color                    | black              |
| Locking type             | Screw locking      |
| Connection method        | QUICKON connection |
|                          | IDC connection     |
| Number of positions      | 4                  |
| Note number of positions | 3+PE               |
| Wrench size, union nut   | 19 mm              |

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## Technical data

### General

|                                       |                     |
|---------------------------------------|---------------------|
| Tightening torque, union nut          | 8 Nm                |
| Number of connections                 | 4                   |
| Conductor cross section flexible min. | 0.5 mm <sup>2</sup> |
| 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            |

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### Material data

|                                        |     |
|----------------------------------------|-----|
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V0  |
| Overvoltage category                   | III |
| Degree of pollution                    | 3   |

### Standards and Regulations

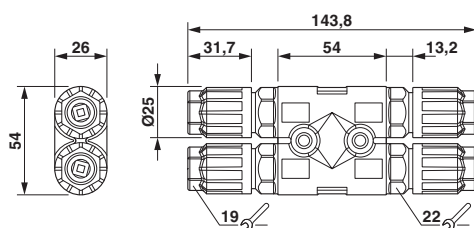
|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | V0 |
|----------------------------------------|----|

### Environmental Product Compliance

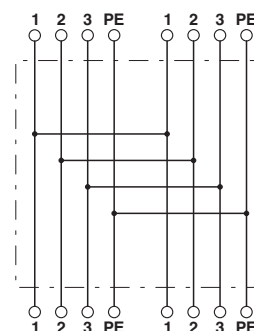
|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Drawings

Dimensional drawing



Circuit diagram



Dimensional drawing

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27143400 |
| eCl@ss 7.0 | 27440603 |
| eCl@ss 8.0 | 27440603 |
| eCl@ss 9.0 | 27440603 |

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002567 |
| ETIM 6.0 | EC002925 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 31251501 |
|-------------|----------|

## Approvals

### Approvals

## H distributor - QPD H 3PE1,5 4X8-13 BK - 1414716

### Approvals

#### Approvals

GL / IECEx CB Scheme / VDE Zeichengenehmigung / EAC

#### Ex Approvals

#### Approval details

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

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

|                        |                                                                                     |                                                                                                                                                                                                           |          |
|------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Zeichengenehmigung |  | <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                                                                              |                                                                                                                                                                                                           |          |
| mm²/AWG/kcmil          | 0.5-1.5                                                                             |                                                                                                                                                                                                           |          |

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

### Accessories

#### Accessories

#### Coding element

Coding profile - CP-QPD 3/4X1,5 - 1414729



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

#### Device marking

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### Accessories

Engraving material - GPE 13X 9 WH - 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

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Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 13 x 9 mm

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### Protective cap

Protective cap - QPD QSK BK 3/4X1,5 FS - 1414722



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

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Protective cap - QPD QSK 3/4X1,5 - 1414723



Protective cap plastic, for QPD-QUICKON connection 3(4) x 1.5 mm<sup>2</sup>, IP50

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### Sealing plugs

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, PA, for threads pluggable, color: red