

## Panel feed-through - QPD W4X2,5 M25 FC GY - 1424010

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Panel feed-through, QUICKON connection, number of positions: 4, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, gray, Without QUICKON nut, assembly thread: M25, Slip-on connection, 2.5 mm<sup>2</sup>

### 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
- ✓ Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 055626 366258 |
| GTIN         | 4055626366258   |

### Technical data

#### General

|                                       |                    |
|---------------------------------------|--------------------|
| Type                                  | QPD 4x2,5          |
| Color                                 | gray               |
| Locking type                          | Screw locking      |
| Connection method                     | QUICKON connection |
|                                       | IDC connection     |
| Number of positions                   | 4                  |
| Note number of positions              | 4                  |
| Tightening torque, union nut          | 10 Nm              |
| Tightening torque, counter nut        | 5 Nm               |
| Number of connections                 | 10                 |
| Conductor cross section flexible min. | 1 mm <sup>2</sup>  |

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## Technical data

### General

|                                       |                     |
|---------------------------------------|---------------------|
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section solid min.    | 1 mm <sup>2</sup>   |
| Conductor cross section solid max.    | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 16                  |
| Conductor cross section AWG max.      | 14                  |

### 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 mm ... 3.6 mm                    |
| Conductor cross section   | 2.5 mm <sup>2</sup>                |
| Position marking  | 1, 2, 3, 4                         |

### 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> | 20 A   |
| Rated current                  | 20 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

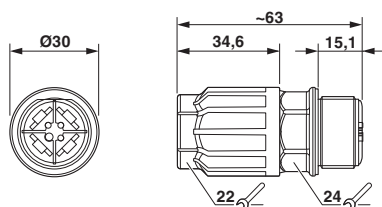
|  |     |
|--|-----|
| Halogen-free                           | yes |
| Flammability rating according to UL 94 | V0  |

#### Environmental Product Compliance

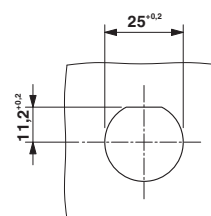
|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

Dimensional drawing



Dimensional drawing



Panel cutout

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