

## Panel feed-through - QPD W 3X1,5 M20 0,35 BK B-S - 1419429

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Panel feed-through, QUICKON connection, number of positions: 3, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, black, Without QUICKON nut, assembly thread: M20, Single wires (welded-on), 1.5 mm², wires cut flat at the end, cable length: 0.35 m, pin assignment: 1 = RD, 2 = BK, 3 = VT

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 055626 173061 |
| GTIN         | 4055626173061                                                                                           |

### Technical data

#### General

|                                       |                    |
|---------------------------------------|--------------------|
| Type                                  | QPD 3x1,5          |
| Length of cable                       | 0.35 m             |
| Color                                 | black              |
| Locking type                          | Screw locking      |
| Connection method                     | QUICKON connection |
|                                       | IDC connection     |
| Number of positions                   | 3                  |
| Note number of positions              | 3                  |
| Tightening torque, union nut          | 8 Nm               |
| Tightening torque, counter nut        | 5 Nm               |
| Number of connections                 | 10                 |
| Conductor cross section flexible min. | 0.5 mm²            |
| Conductor cross section flexible max. | 1.5 mm²            |
| Conductor cross section solid min.    | 0.5 mm²            |
| Conductor cross section solid max.    | 1.5 mm²            |
| Conductor cross section AWG min.      | 20                 |
| Conductor cross section AWG max.      | 16                 |

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## Technical data

### 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                    |
| Conductor cross section                                                     | 1.5 mm <sup>2</sup>                |
| Position marking                                                            | 1, 2, 3                            |

### 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 ... 80 °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 |
| 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             |

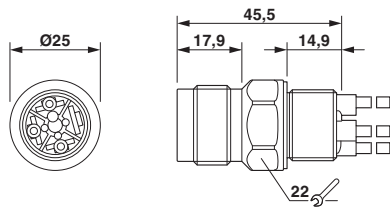
### Standards and Regulations

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

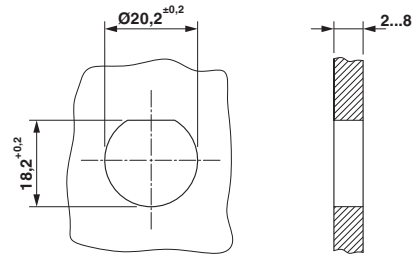
## Drawings

## Panel feed-through - QPD W 3X1,5 M20 0,35 BK B-S - 1419429

Dimensional drawing



Dimensional drawing



Housing cutout

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