#### 1582566

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Panel feed-through, product family: QPD, connection method: Single wires (Welded-on), number of positions: 4+PE, M25, Pin, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, PA, black, without QUICKON nut, 2.5 mm<sup>2</sup>, wires cut flat at the end, cable length: 1 m

# Your advantages

- · Innovative and time saving QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- · Efficient by using panel feed-throughs, devices no longer need to be opened in order to connect cables

# Commercial data

| Item number                          | 1582566             |
|--------------------------------------|---------------------|
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF50                |
| Product key                          | BF6ACB              |
| Catalog page                         | Page 484 (C-2-2019) |
| GTIN                                 | 4046356661997       |
| Weight per piece (including packing) | 187.1 g             |
| Weight per piece (excluding packing) | 49.81 g             |
| Customs tariff number                | 85444290            |
| Country of origin                    | PL                  |



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# Technical data

### Product properties

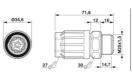
| Туре                               | QPD 5x2,5          |
|------------------------------------|--------------------|
| Product type                       | Panel feed-through |
| Product family                     | QPD                |
| Number of positions                | 5                  |
| Connection profile                 | 4+PE               |
| Position marking                   | 1, 2, 3, N, PE     |
| Number of connections              | 10                 |
| Number of connections per position | 1                  |
| Coding                             | coded              |
| Insulation characteristics         |                    |
| Overvoltage category               | III                |
| Degree of pollution                | 3                  |

# Connection data

| Connection method On the device side                                  | Single wires (Welded-on) |
|---|--------------------------|
| Frequency of connections between conductors of the same cross section | max. 10                  |
| conductor connection  |                          |
| Conductor cross section flexibel                                      | 1 mm² 2.5 mm²            |
| Conductor cross section solid   | 1 mm² 2.5 mm²            |
| Connection cross section AWG  | 16 14                    |
| Tightening torque Union nut   | 10 Nm                    |
| Tightening torque Locking nut   | 5 Nm                     |
| Wrench size Union nut   | 27 mm                    |
| Wrench size Locking nut   | 30 mm                    |
| in assignment   |                          |
| Contact   Color (signal designation)   Contact (optional)             | 1   BK                   |
|   | 2   BN                   |
|   | 3   GY                   |
|   | N   BU                   |
|   | PE   GNYE                |

## Dimensions

Dimensional drawing



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| Width                    | 34.6 mm |
|--------------------------|---------|
| Height                   | 34.6 mm |
| Length                   | 53 mm   |
| Diameter                 | 34.6 mm |
| Wrench size for mounting | 27 mm   |

### **Electrical properties**

| Rated surge voltage (II/2)     | 8 kV     |
|--------------------------------|----------|
| Rated surge voltage (III/2)    | 8 kV     |
| Rated surge voltage (III/3)    | 6 kV     |
| Rated current                  | 20 A     |
| Contact resistance             | < 3 mΩ   |
| rated voltage (II/2)           | 1000 V   |
| rated voltage (III/2)          | 1000 V   |
| Rated voltage (III/3)          | 690 V    |
| Nominal voltage U <sub>N</sub> | 690 V AC |
|                                | 690 V DC |
| Nominal current I <sub>N</sub> | 20 A     |
|                                |          |

## Mechanical properties

| Insertion/withdrawal cycles | max. 50 |
|-----------------------------|---------|
|                             |         |

# Material specifications

| Color                                  | black (RAL 9005)       |
|--|------------------------|
| Material Housing                       | PA                     |
| Material Contact                       | Cu                     |
| Material Contact surface               | Silver-plated          |
| Flammability rating according to UL 94 | VO                     |
| Material wire insulation               | PVC /PE / rubber / TPE |

#### Cable/line

| Cable length  | 1 m                                    |
|---|--|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 1 to 6/min. 0.15 mm     |
| Wire diameter including insulation  | 2 mm 3.8 mm                            |
| Position marking  | 1, 2, 3, N, PE                         |
| Single wire, color  | black, brown, gray, blue, green/yellow |
| Cable cross section   | 2.5 mm <sup>2</sup>                    |
| Material wire insulation  | PVC/PE/TPE/rubber                      |

## Mounting

| Mounting type | Front mounting M25 |
|---------------|--------------------|
| Wrench size   | 27 mm              |



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# Environmental and real-life conditions

#### Ambient conditions

| Degree of protection                    | IP66              |
|---|-------------------|
|   | IP68 (2 m / 24 h) |
|   | IP69K             |
| Ambient temperature (operation)         | -40 °C 100 °C     |
| Temperature when conductor connected    | -5 °C 50 °C       |
| Ambient temperature (storage/transport) | -40 °C 80 °C      |

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# Classifications

## ECLASS

| ECLASS-13.0 27440602 |  |
|----------------------|--|
| ECLASS-12.0 27440602 |  |

# ETIM

|        | ETIM 9.0    | EC002566 |  |
|--------|-------------|----------|--|
| UNSPSC |             |          |  |
|        | UNSPSC 21.0 | 39121500 |  |

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# Environmental product compliance

| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---|
|            | No hazardous substances above threshold values          |

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