

QPD W 4PE2,5 M20 FC BK - Panel feed-through



1403741

<https://www.phoenixcontact.com/us/products/1403741>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Panel feed-through, product family: QPD, connection method: Spade connection (For slip-on sleeves according to DIN 46247-2), number of positions: 4+PE, M20, Pin, 1 mm² ... 2.5 mm², 690 V, 15 A, PA, black, without QUICKON nut

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 | 1403741 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF50 |
| Product key | BF6ACB |
| Catalog page | Page 485 (C-2-2019) |
| GTIN | 4046356665155 |
| Weight per piece (including packing) | 30.4 g |
| Weight per piece (excluding packing) | 30.4 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

QPD W 4PE2,5 M20 FC BK - Panel feed-through



1403741

<https://www.phoenixcontact.com/us/products/1403741>

Technical data

Product properties

| | |
|------------------------------------|--------------------|
| Type | 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 technology

| | |
|---|---|
| Connection method On the device side | Spade connection (For slip-on sleeves according to DIN 46247-2) |
| 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 |

Dimensions

| | |
|----------------------------------|--------------|
| Dimensional drawing | |
| Width | 34.6 mm |
| Height | 34.6 mm |
| Length | 53 mm |
| Diameter | 34.6 mm |
| Wrench size for mounting | 30 mm |
| Dimensions of slip-on connection | 2.8 x 0.8 mm |

QPD W 4PE2,5 M20 FC BK - Panel feed-through



1403741

<https://www.phoenixcontact.com/us/products/1403741>

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 | 15 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_N | 690 V AC |
| | 690 V DC |
| Nominal current I_N | 15 A |

Mechanical properties

Mechanical data

| | |
|-----------------------------|---------|
| 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 | V0 |
| Material wire insulation | PVC / PE / rubber / TPE |

Cable/line

| | |
|---|------------------------------------|
| 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 |
| Material wire insulation | PVC/PE/TPE/rubber |

Mounting

| | |
|---------------|--------------------|
| Mounting type | Front mounting M20 |
| Wrench size | 30 mm |

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 |

QPD W 4PE2,5 M20 FC BK - Panel feed-through



1403741

<https://www.phoenixcontact.com/us/products/1403741>

| | |
|---|------------------|
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
|---|------------------|

QPD W 4PE2,5 M20 FC BK - Panel feed-through



1403741

<https://www.phoenixcontact.com/us/products/1403741>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440602 |
| ECLASS-13.0 | 27440602 |
| ECLASS-12.0 | 27440602 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002566 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

Environmental product compliance

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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com