#### 1582566

https://www.phoenixcontact.com/us/products/1582566

**PHŒNIX** CONTACT

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: 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



https://www.phoenixcontact.com/us/products/1582566

# Technical data

### Product properties

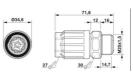
Туре	QPD 5x2,5
Product type	Panel feed-through
Product family	QPD
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Number of connections	10
Number of connections per position	1
Coding	coded
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

# 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



PHŒN



#### 1582566

https://www.phoenixcontact.com/us/products/1582566

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



#### 1582566

https://www.phoenixcontact.com/us/products/1582566

# 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

1582566

https://www.phoenixcontact.com/us/products/1582566



# Classifications

## ECLASS

ECLASS-13.0 27440602	
ECLASS-12.0 27440602	

# ETIM

	ETIM 9.0	EC002566	
UNSPSC			
	UNSPSC 21.0	39121500	

1582566

https://www.phoenixcontact.com/us/products/1582566

# **PHŒNIX** CONTACT

# 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