QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

1582563

https://www.phoenixcontact.com/us/products/1582563

PHŒNIX CONTACT

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QUICKON panel feed-through, black, 4+PE-pos. 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, with QUICKON nut, for 9 mm ... 16 mm cable diameter, M25 connection thread with 5 slip-on contacts for slip-on sleeves according to DIN 46247-2

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	1582563
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6ACB
Catalog page	Page 485 (C-2-2019)
GTIN	4046356661973
Weight per piece (including packing)	56.7 g
Weight per piece (excluding packing)	56 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Panel feed-through
Product family	QPD
Type	QPD 5x2,5
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

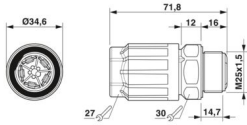|	
Connection method On the device side	Spade connection (For slip-on sleeves according to DIN 46247-2)
Connection method On the field side	IDC connection
Frequency of connections between conductors of the same cross section	max. 10

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	71.8 mm
Diameter	34.6 mm
Wrench size	30 mm

Wrench size for mounting	30 mm
Dimensions of slip-on connection	4.8 x 0.8 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_N	690 V AC
	690 V DC
Nominal current I_N	20 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/TPE/rubber

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	9 mm ... 16 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 M25

Environmental and real-life conditions

Ambient conditions

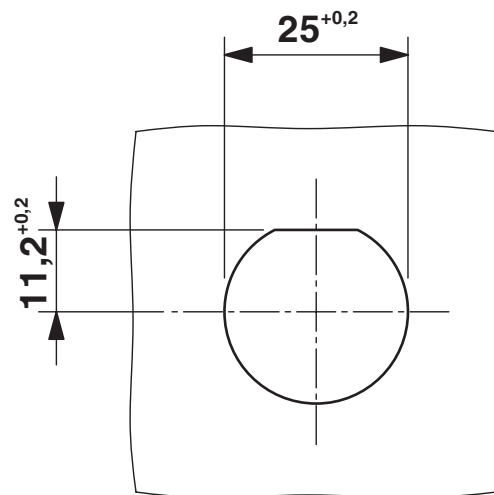| Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K

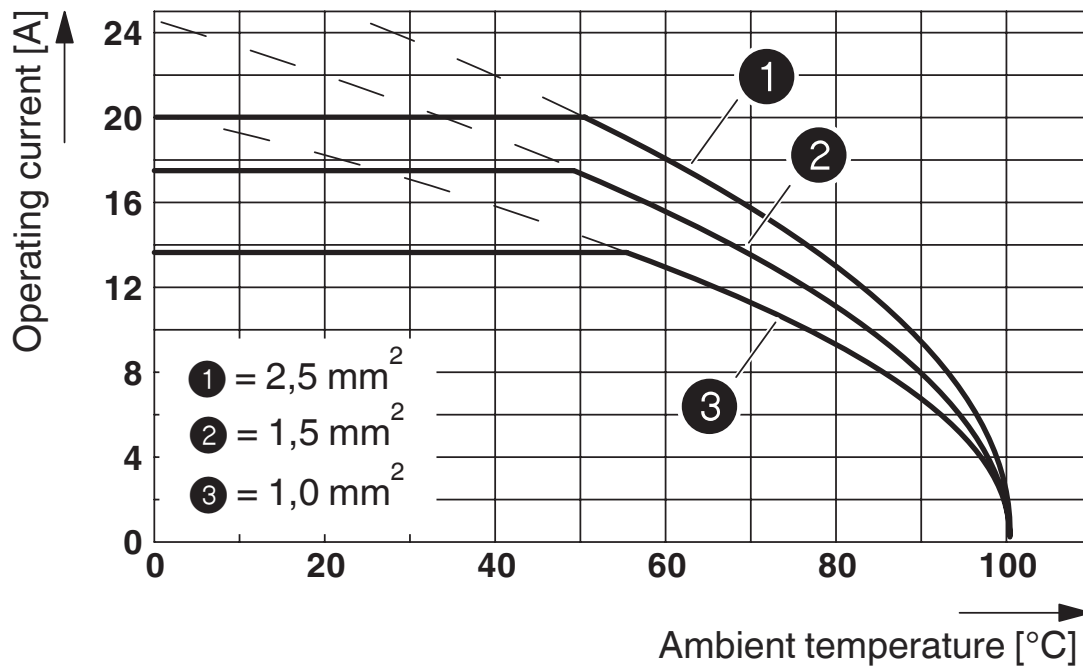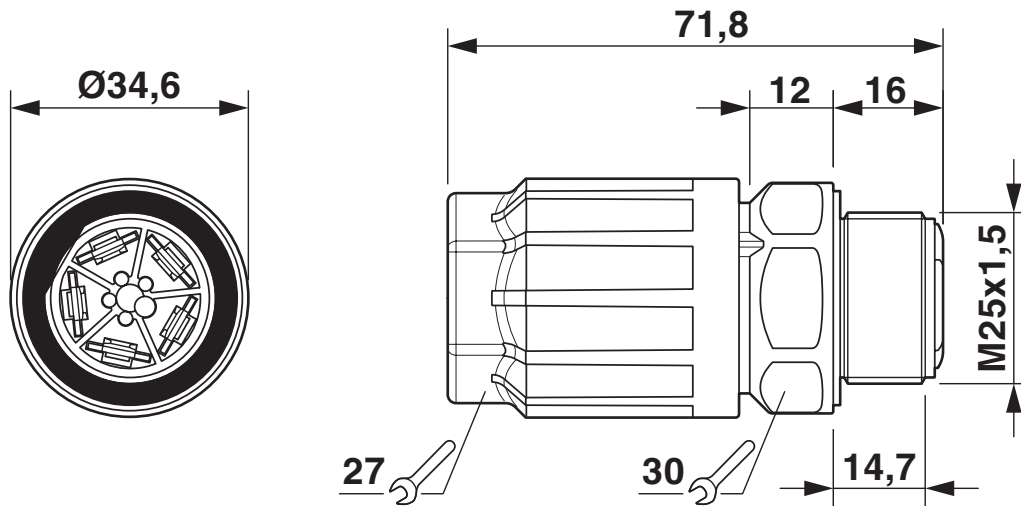| Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Drawings

Dimensional drawing

$25^{+0,2}$

$11,2^{+0,2}$

Panel cutout

Diagram

Operating current [A]

1 = 2,5 mm^2

2 = 1,5 mm^2

3 = 1,0 mm^2

Ambient temperature [°C]

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Dimensional drawing

Ø34,6

71,8

12   16

M25x1,5

27   30   14,7

QPD W 4PE2.5 M25 dimensional drawing

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1582563

	IECEE CB Scheme
	Approval ID: DE1-65875

	EAC
	Approval ID: RU C-DE.BL08.B.00511

	DNV GL
	Approval ID: TAE00003J5

	VDE Zeichengenehmigung
	Approval ID: 40029149

UL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	10 A	-	- 14

cUL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	10 A	- 14	-

cULus Listed

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

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

CP-QPD 5X2,5 - Coding profile

1404530

https://www.phoenixcontact.com/us/products/1404530

Coding profile, red, for insertion into the 5-pos. QUICKON dome and connector, can be positioned in 72° increments.

QPD QSK BK 5X2,5 FS - Protective cap

1404525

https://www.phoenixcontact.com/us/products/1404525

Protective cap, plastic, for QUICKON connection, black, with retaining cord, IP68

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SEALING PLUG 14X22 RD - Closing cap

1400270

https://www.phoenixcontact.com/us/products/1400270

Closing cap, for threads pluggable, color: red

Q-MU M25 - Nut

1640715

https://www.phoenixcontact.com/us/products/1640715

Nut (plastic) to lock the contact carrier from the inside of the device

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QPD W 4PE2,5 9-16 M20 0,5 BK - Panel feed-through

1403731

https://www.phoenixcontact.com/us/products/1403731

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on)/ IDC connection, number of positions: 4+PE, M20, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 9 mm ... 16 mm, 2.5 mm^2, wires cut flat at the end, cable length: 0.5 m

QPD W 4PE2,5 9-16 M20 1,0 BK - Panel feed-through

1403733

https://www.phoenixcontact.com/us/products/1403733

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on)/ IDC connection, number of positions: 4+PE, M20, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 9 mm ... 16 mm, 2.5 mm^2, wires cut flat at the end, cable length: 1 m

QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

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QPD W 4PE2,5 9-16 M20 FC BK - Panel feed-through

1403735

https://www.phoenixcontact.com/us/products/1403735

Panel feed-through, product family: QPD, connection method: Spade connection (For slip-on sleeves according to DIN 46247-2)/ IDC connection, number of positions: 4+PE, M20, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 15 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 9 mm ... 16 mm

QPD W 4PE2,5 9-16 M25 0,5 BK - Panel feed-through

1582561

https://www.phoenixcontact.com/us/products/1582561

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on), number of positions: 4+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 9 mm ... 16 mm, 2.5 mm^2, wires cut flat at the end, cable length: 0.5 m

QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

1582563

https://www.phoenixcontact.com/us/products/1582563

QPD W 4PE2,5 9-16 M25 1,0 BK - Panel feed-through

1582562

https://www.phoenixcontact.com/us/products/1582562

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on), number of positions: 4+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 9 mm ... 16 mm, 2.5 mm^2, wires cut flat at the end, cable length: 1 m

QPD W 4PE2,5 9-16 M25 DT BK - Panel feed-through

1411433

https://www.phoenixcontact.com/us/products/1411433

QUICKON panel feed-through, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, with QUICKON nut, for cable diameter of 9 mm ... 16 mm, with push-in spring-cage connection.

QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

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QPD C 4PE2,5 1X9-16 BK - Conductor connector

1403831

https://www.phoenixcontact.com/us/products/1403831

QUICKON cable connector, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2 / 690 V / 20 A, for 9 mm ... 16 mm cable diameter.

QPD C 4PE2,5 2X9-16 BK - Conductor connector

1403836

https://www.phoenixcontact.com/us/products/1403836

QUICKON cable connector, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2 / 690 V / 20 A, for 9 mm ... 16 mm cable diameter.

QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

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QPD T 4PE 2X9-16 BK - T distributor

1405404

https://www.phoenixcontact.com/us/products/1405404

QUICKON T-distributor, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, for cable diameter of 9 mm ... 16 mm, with two QUICKON nuts

QPD T 4PE 3X9-16 BK - T distributor

1405402

https://www.phoenixcontact.com/us/products/1405402

QUICKON T-distributor, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, for cable diameter of 9 mm ... 16 mm, with three QUICKON nuts

QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

1582563

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QPD H 4PE2,5 4X9-16 BK - H distributor

1406369

https://www.phoenixcontact.com/us/products/1406369

QUICKON H-distributor, black, 4 pos. +PE, 1.0 mm^2 ... 2.5 mm^2 / 690 V / 20 A, for cable diameters of 9 mm ... 16 mm, with a sealing bolt.

QPD N 4PE2,5 9-16 BK - Nut

1459647

https://www.phoenixcontact.com/us/products/1459647

QUICKON nut, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, for cables with 9 mm ... 16 mm diameter.

QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

1582563

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QPD P 4PE2,5 9-16 BK - Connector

1403782

https://www.phoenixcontact.com/us/products/1403782

Connector, product family: QPD, connection method: IDC connection, number of positions: 4+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, external cable diameter: 9 mm ... 16 mm

QPD P 4PE2,5 9-16 TL BK - Connector

1039561

https://www.phoenixcontact.com/us/products/1039561

Connector, product family: QPD, connection method: IDC connection, number of positions: 4+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, external cable diameter: 9 mm ... 16 mm

QPD W 4PE2,5 9-16 M25 FC BK - Panel feed-through

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QSS 27 - Socket wrench

1670646

https://www.phoenixcontact.com/us/products/1670646

Allen wrench, for loosening and fastening the QUICKON union nut, WAF 27 mm

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