QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

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.

QUICKON panel feed-through, black, 4+PE-pos. 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, with QUICKON nut, for 6 mm ... 11 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	1582559
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6ACB
Catalog page	Page 485 (C-2-2019)
GTIN	4046356661539
Weight per piece (including packing)	57.7 g
Weight per piece (excluding packing)	57.7 g
Customs tariff number	85366990
Country of origin	PL

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

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

Data management status

Article revision	03

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	27 mm
Wrench size for mounting	27 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 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	6 mm ... 11 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
Thread type	()

Environmental and real-life conditions

Ambient conditions

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

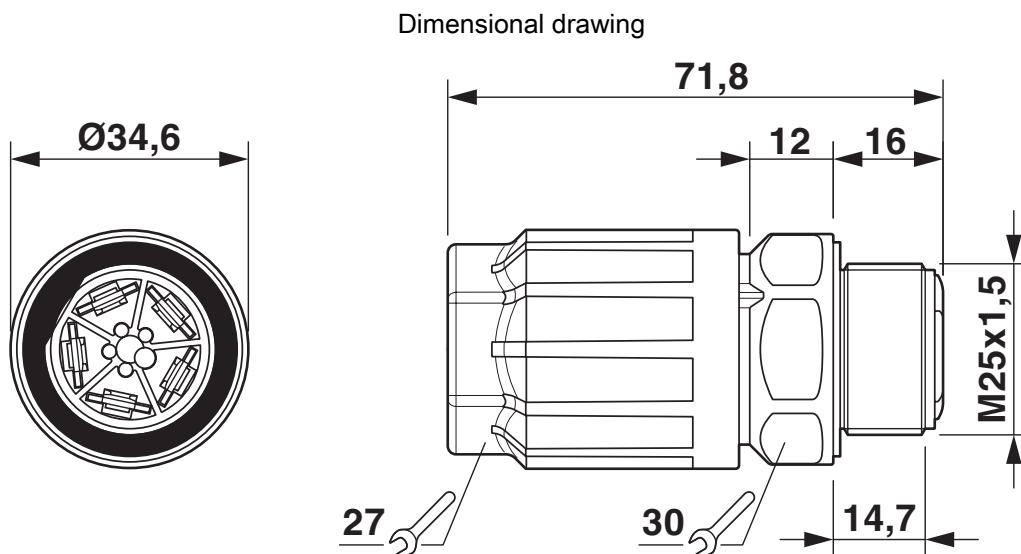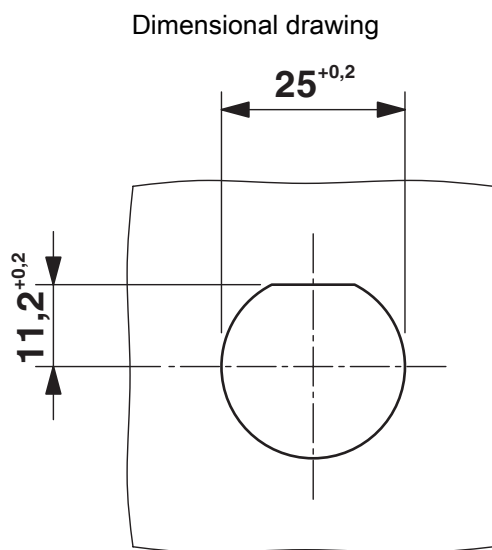|	
Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

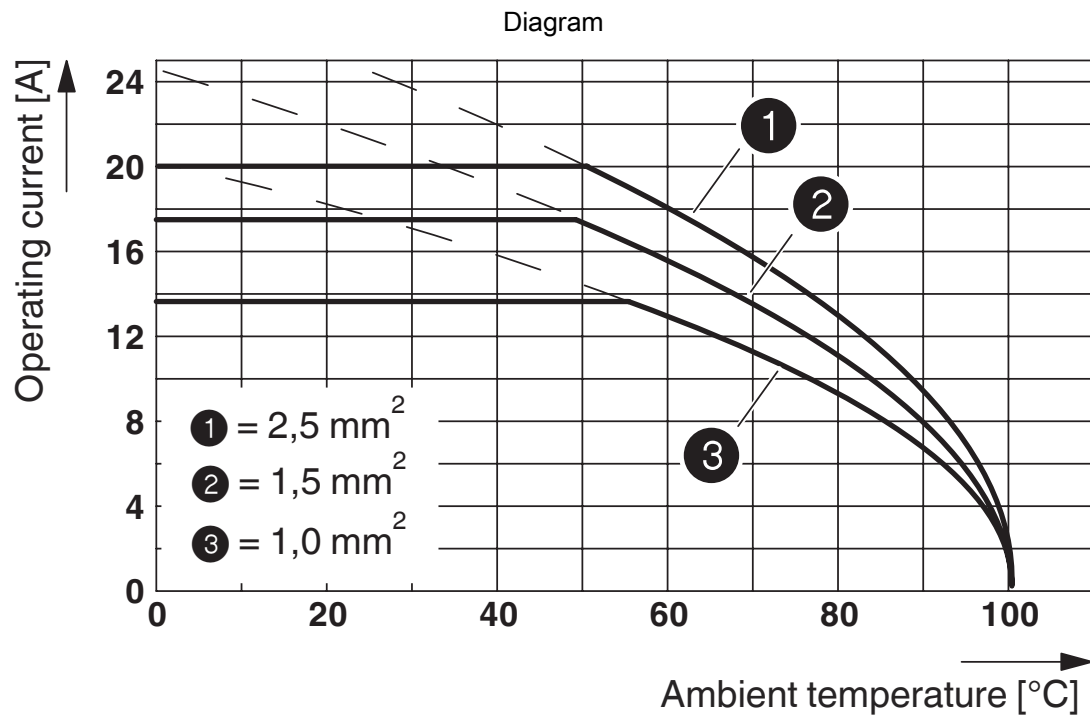# QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

Drawings

Dimensional drawing

Ø34,6

71,8

12   16

M25x1,5

27   30   14,7

QPD W 4PE2.5 M25 dimensional drawing

Dimensional drawing

$25^{+0,2}$

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

Panel cutout

Diagram

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1582559

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%

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

Mandatory accessories

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

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 W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

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

SEALING PLUG 10X16 RD - Sealing plug

1400284

https://www.phoenixcontact.com/us/products/1400284

Sealing plug, for threads pluggable, color: red

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

QPD W 4PE2,5 6-11 M20 0,5 BK - Panel feed-through

1403725

https://www.phoenixcontact.com/us/products/1403725

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: 6 mm ... 11 mm, 2.5 mm^2, wires cut flat at the end, cable length: 0.5 m

QPD W 4PE2,5 6-11 M20 1,0 BK - Panel feed-through

1403727

https://www.phoenixcontact.com/us/products/1403727

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: 6 mm ... 11 mm, 2.5 mm^2, wires cut flat at the end, cable length: 1 m

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

QPD W 4PE2,5 6-11 M20 FC BK - Panel feed-through

1403729

https://www.phoenixcontact.com/us/products/1403729

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, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 11 mm

QPD W 4PE2,5 6-11 M25 0,5 BK - Panel feed-through

1582557

https://www.phoenixcontact.com/us/products/1582557

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: 6 mm . .. 11 mm, 2.5 mm^2, wires cut flat at the end, cable length: 0.5 m

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

QPD W 4PE2,5 6-11 M25 1,0 BK - Panel feed-through

1582558

https://www.phoenixcontact.com/us/products/1582558

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: 6 mm ... 11 mm, 2.5 mm^2, wires cut flat at the end, cable length: 1 m

QPD W 4PE2,5 6-11 M25 DT BK - Panel feed-through

1411432

https://www.phoenixcontact.com/us/products/1411432

Panel feed-through, product family: QPD, connection method: Push-in connection/ IDC connection, 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: 6 mm ... 11 mm

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

QPD C 4PE2,5 1X6-11 BK - Conductor connector

1403834

https://www.phoenixcontact.com/us/products/1403834

QUICKON cable connector, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2 / 690 V / 20 A, for 6 mm ... 11 mm cable diameter.

QPD C 4PE2,5 2X6-11 BK - Conductor connector

1403838

https://www.phoenixcontact.com/us/products/1403838

QUICKON cable connector, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2 / 690 V / 20 A, for 6 mm ... 11 mm cable diameter.

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

QPD T 4PE 2X6-11 BK - T distributor

1405403

https://www.phoenixcontact.com/us/products/1405403

QUICKON T-distributor, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, for cable diameter of 6 mm ... 11 mm, with two QUICKON nuts

QPD T 4PE 3X6-11 BK - T distributor

1405401

https://www.phoenixcontact.com/us/products/1405401

T distributor, 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 three QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 11 mm

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

QPD H 4PE2,5 4X6-11 BK - H distributor

1406368

https://www.phoenixcontact.com/us/products/1406368

QUICKON H-distributor, black, 4 pos. +PE, 1.0 mm^2 ... 2.5 mm^2 / 690 V / 20 A, for cable diameters of 6 mm ... 11 mm, with a sealing bolt.

QPD N 4PE2,5 6-11 BK - Nut

1459663

https://www.phoenixcontact.com/us/products/1459663

QUICKON nut, black, 4+PE-pos., 1.0 mm^2 ... 2.5 mm^2/690 V/20 A, for cables with 6 mm ... 11 mm diameter.

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

QPD P 4PE2,5 6-11 BK - Connector

1403784

https://www.phoenixcontact.com/us/products/1403784

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, external cable diameter: 6 mm ... 11 mm

QPD P 4PE2,5 6-11 TL BK - Connector

1039563

https://www.phoenixcontact.com/us/products/1039563

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: 6 mm ... 11 mm

QPD W 4PE2,5 6-11 M25 FC BK - Panel feed-through

1582559

https://www.phoenixcontact.com/us/products/1582559

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