QPD W3PE2,5 M25 0,5 GY - Panel feed-through

1423966

https://www.phoenixcontact.com/us/products/1423966

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Panel feed-through, QUICKON connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, gray, without QUICKON nut, assembly thread: M25, IDC connection (welded-on), 2.5 mm^2, wires cut flat at the end, cable length: 0.5 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	1423966
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6ABB
GTIN	4055626365848
Weight per piece (including packing)	88.6 g
Weight per piece (excluding packing)	88 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Type	QPD 4x2,5
Product type	Panel feed-through
Product family	QPD
Number of positions	4
Connection profile	3+PE
Position marking	1, 2, 3, PE
Number of connections per position	1
Series	QPD
Coding	coded

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	QUICKON connection
Connection system, internal	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	7 Nm
Tightening torque, counter nut	5 Nm

Dimensions

Dimensional drawing	
Width	30 mm
Height	30 mm
Length	47.7 mm
Diameter	30 mm

Electrical properties

Rated surge voltage (II/2)	6 kV
Rated surge voltage (III/2)	6 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)	690 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

Material	PA
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA

Cable/line

Cable length	0.5 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 ... 3.6 mm
Position marking	1, 2, 3, PE
Material wire insulation	PVC/PE/TPE/rubber
Halogen-free	yes

Mounting

Mounting type	Front mounting M25
Connection method	IDC connection

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 ... 100 °C

Drawings

Dimensional drawing

25 +0,2

11,2 +0,2
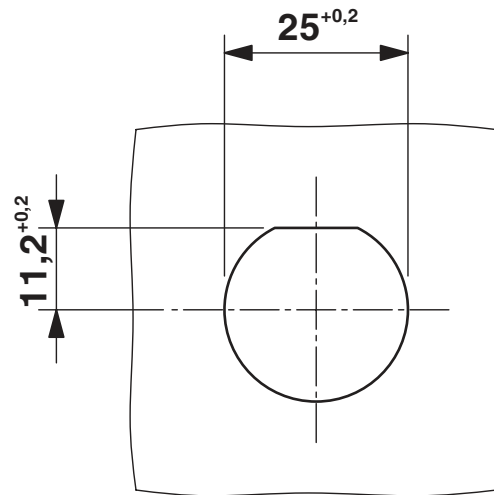
Panel cutout

Dimensional drawing

Ø30

47,7

19,8

15

24

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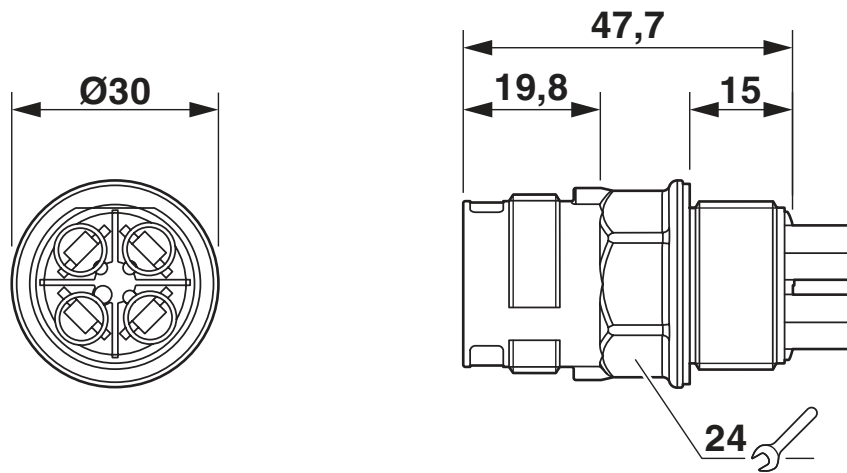
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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1423966

CB scheme   **IECEE CB Scheme**
Approval ID: DE1-65875

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

VDE Zeichengenehmigung
Approval ID: 40029149

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	400 V	20 A	-	1.5 - 2.5
Only rigid conductors	690 V	20 A	-	1.5 - 2.5

UL Listed
Approval ID: E468743

cUL Listed
Approval ID: E468743

cULus Listed

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002566

UNSPSC

UNSPSC 21.0	39121500

Environmental product compliance

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

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Accessories

CP QPD 4X2,5 - Coding profile

1425950

https://www.phoenixcontact.com/us/products/1425950

Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

QPD QSK 5X1,5 - Protective cap

1414758

https://www.phoenixcontact.com/us/products/1414758

Protective cap plastic, for QPD-QUICKON connection 5x 1.5 mm^2, IP50

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QPD QSK BK 5X1,5 FS - Protective cap

1414728

https://www.phoenixcontact.com/us/products/1414728

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

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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QSS 22 - Socket wrench

1670206

https://www.phoenixcontact.com/us/products/1670206

Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

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