QPD W 4X2,5 6-10 M25 FC GY - Panel feed-through

1582288

https://www.phoenixcontact.com/us/products/1582288

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/ IDC connection, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, gray, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm and 6 mm ... 10 mm, 2.5 mm^2

Commercial data

Item number	1582288
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF50
Product key	BF6ABB
Catalog page	Page 98 (PC-2011)
GTIN	4046356463430
Weight per piece (including packing)	41.5 g
Weight per piece (excluding packing)	36.4 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	Panel feed-through
Product family	QPD
Type	QPD 4x2,5
Number of positions	4
Position marking	1, 2, 3, 4
Number of connections	10
Number of connections per position	1
Coding	coded

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

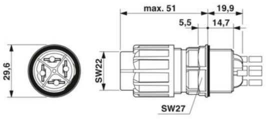
Connection technology

Connection method On the device side	Spade connection
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	5 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	22 mm
Wrench size Locking nut	27 mm

Dimensions

Dimensional drawing	
Width	29.6 mm
Height	29.6 mm
Length	71 mm
Diameter	29.6 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 (With insulating sleeve PT/FS 4,8, 1670497 without insulating sleeve 250 V.)
Nominal voltage U_N	690 V
Nominal current I_N	20 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50

Material specifications

Material Housing	PA
Material Contact	CuZn
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 ... 10 mm
	6 mm ... 10 mm
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, 4
Cable cross section	2.5 mm²
Material wire insulation	PVC/PE/TPE/rubber

Mounting

Mounting type	Front mounting M25

Environmental and real-life conditions

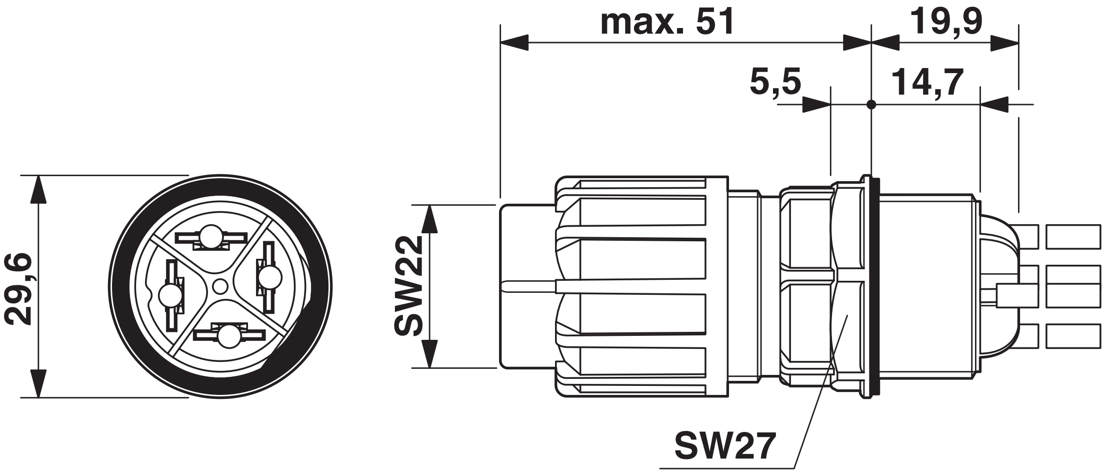
Ambient conditions

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

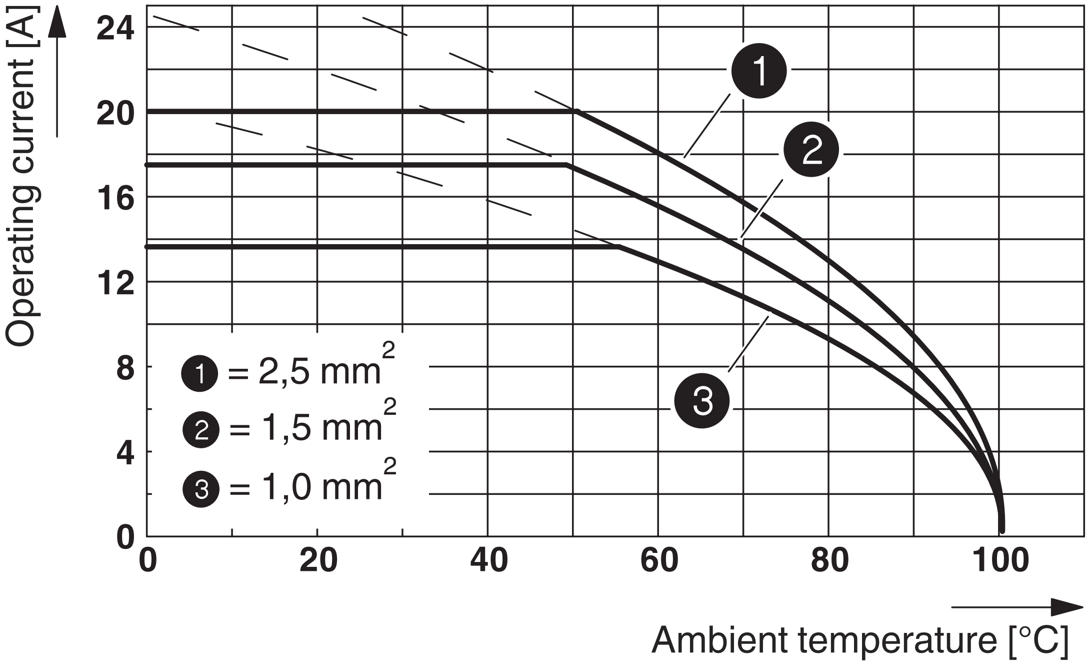
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

Drawings

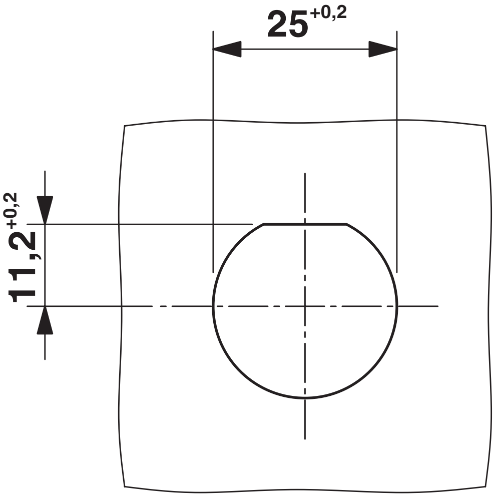
Dimensional drawing


max. 51
19,9
5,5
14,7
29,6
SW22
SW27

Diagram



Dimensional drawing



Panel cutout

Classifications

ECLASS

ECLASS-11.0	27440602
ECLASS-13.0	27440602

UNSPSC

UNSPSC 21.0	39121522

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%

Accessories

SEALING PLUG 10X16 RD - Sealing plug

1400284

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

Sealing plug, for threads pluggable, color: red

EMLP (13X9)R - Label

0819453

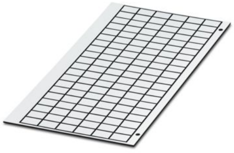
https://www.phoenixcontact.com/us/products/0819453

Label, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 500

GPE 13X 9 WH - Engraving material

0806932

https://www.phoenixcontact.com/us/products/0806932



Engraving material, Sheet, white, unlabeled, can be labeled with: PLOTMARK, ENGRAVING UNIT, CMS-P1-PLOTTER, P1 ENGRAVING UNIT, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 120

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

CP-QPD - Coding profile

1582459

https://www.phoenixcontact.com/us/products/1582459

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

KV-DI-PG16-1XASI - Seal

1582462

https://www.phoenixcontact.com/us/products/1582462

Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

KV-DI-PG16-2XASI - Seal

1582464

https://www.phoenixcontact.com/us/products/1582464

Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

---

PT/FS 4,8 - Insulating sleeve

1670497

https://www.phoenixcontact.com/us/products/1670497

Insulating sleeve, as touch protection, for 4.8 mm slip-on sleeves, slide onto the conductor before

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

---

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