

1582309
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Panel feed-through, product family: QPD, connection method: Single wires, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, gray, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm and 9 mm ... 14 mm, 2.5 mm², cable length: 0.5 m

Commercial data

Item number	1582309
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF50
Product key	BF6ABB
Catalog page	Page 97 (PC-2011)
GTIN	4046356463461
Weight per piece (including packing)	102 g
Weight per piece (excluding packing)	102 g
Customs tariff number	85444290
Country of origin	DE

QPD W 4X2,5 9-14 M25 0,5 GY - Panel feed-through



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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

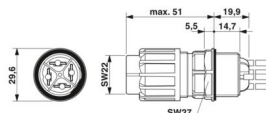
Connection technology

Connection method On the device side	Single wires
Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Conductor cross section flexibel	1 mm ² ... 2.5 mm ²
Conductor cross section solid	1 mm ² ... 2.5 mm ²
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

Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV

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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
Nominal current I_N	20 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
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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

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
External cable diameter	6 mm ... 10 mm
	9 mm ... 14 mm
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, 4
Cable cross section	2.5 mm ²
Material wire insulation	PVC/PE/TPE/rubber

Mounting

Mounting type	Front mounting M25
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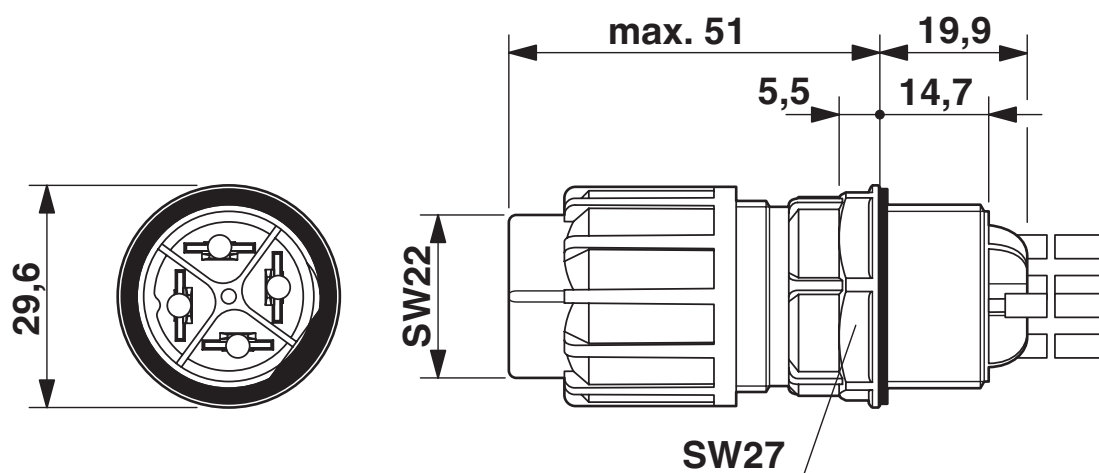
Environmental and real-life conditions

Ambient conditions

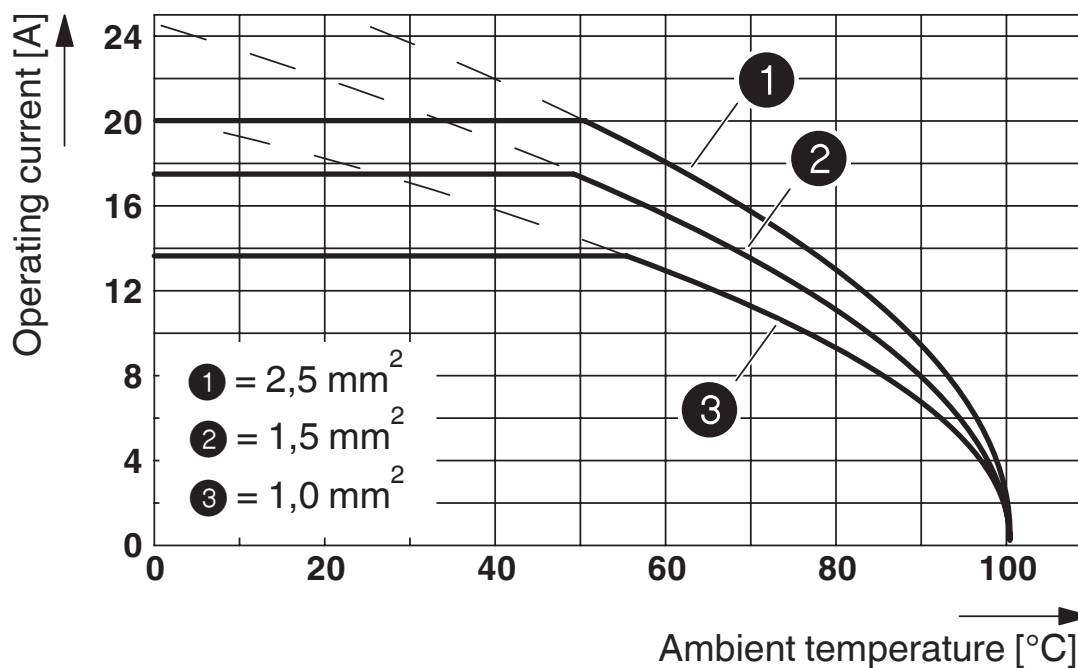
Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

Drawings

Dimensional drawing



Diagram



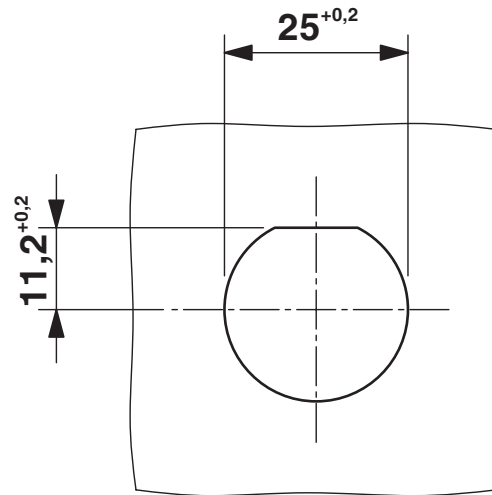
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Dimensional drawing



Panel cutout

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Classifications

ECLASS

ECLASS-11.0	27440602
ECLASS-13.0	27440602

UNSPSC

UNSPSC 21.0	39121522
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

SEALING PLUG 14X22 RD - Closing cap

1400270

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

Closing cap, 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

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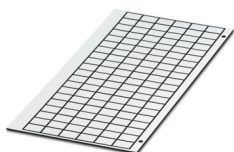
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GPE 13X 9 WH - Engraving material

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



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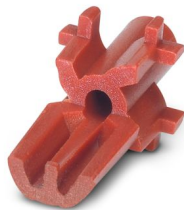
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CP-QPD - Coding profile

1582459

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

KV-DI-PG16-1XASI - Seal

1582462

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

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KV-DI-PG16-2XASI - Seal

1582464

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

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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