

1670400

<https://www.phoenixcontact.com/us/products/1670400>

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Panel feed-through, for internal wall mounting, with dip-solder connection, length of the solder pin: 3.8 mm, hole Ø 3-pos. = 20.8 mm - 0.3

Your advantages

- Robust throughout: housing with IP65/IP67 protection for a wide range of applications

Commercial data

Item number	1670400
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF50
Product key	BF6HAB
Catalog page	Page 19 (PC-2002)
GTIN	4017918153182
Weight per piece (including packing)	25.85 g
Weight per piece (excluding packing)	25.85 g
Customs tariff number	85366990
Country of origin	PL

Q 1,5/3L180/13KU-DSI - Panel feed-through



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Technical data

Product properties

Product type	Panel feed-through
Number of positions	3
Position marking	1, 2, 3
Number of connections	3
Number of connections per position	1
Shielded	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection method On the device side	Dip-solder connection (The product must be screwed to the PCB before soldering. Self-tapping screws in acc. with ISO 1481-ST 2,9 x 6,5 C.)
Connection method On the field side	IDC connection
Frequency of connections between conductors of the same cross section	10 (if the conductor is connected more than once, seal and cap may need to be replaced.)

Conductor connection

Conductor cross section flexibel	0.75 mm² ... 1.5 mm²
Conductor cross section solid	0.75 mm² ... 1 mm²
Connection cross section AWG	18 ... 16
Tightening torque Union nut	2.5 Nm
Tightening torque Contact carrier	3.75 Nm
Tightening torque Locking nut	3.75 Nm
Wrench size Union nut	24 mm
Wrench size Contact carrier	24 mm

Dimensions

Dimensional drawing	
Width	27 mm
Height	27 mm

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Length	46 mm
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Electrical properties

Rated surge voltage (III/3)	6 kV
Contact resistance	< 3 mΩ
rated voltage (II/2)	630 V
rated voltage (III/2)	320 V
Rated voltage (III/3)	250 V
Nominal voltage U_N	250 V AC
	250 V DC
Nominal current I_N	17.5 A

Material specifications

Color (Housing)	green (RAL 6021)
Material Housing	PA
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE
Contact material	Copper alloy
Contact surface material	Pre-nickel plated and tin-plated
Contact carrier material	PA 6.6

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.2-5, min. wire diameter 0.2 mm
Wire diameter including insulation	>= 3 mm
Position marking	1, 2, 3

Mounting

Mounting type	Front mounting Pg13
Assembly instructions	If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load.

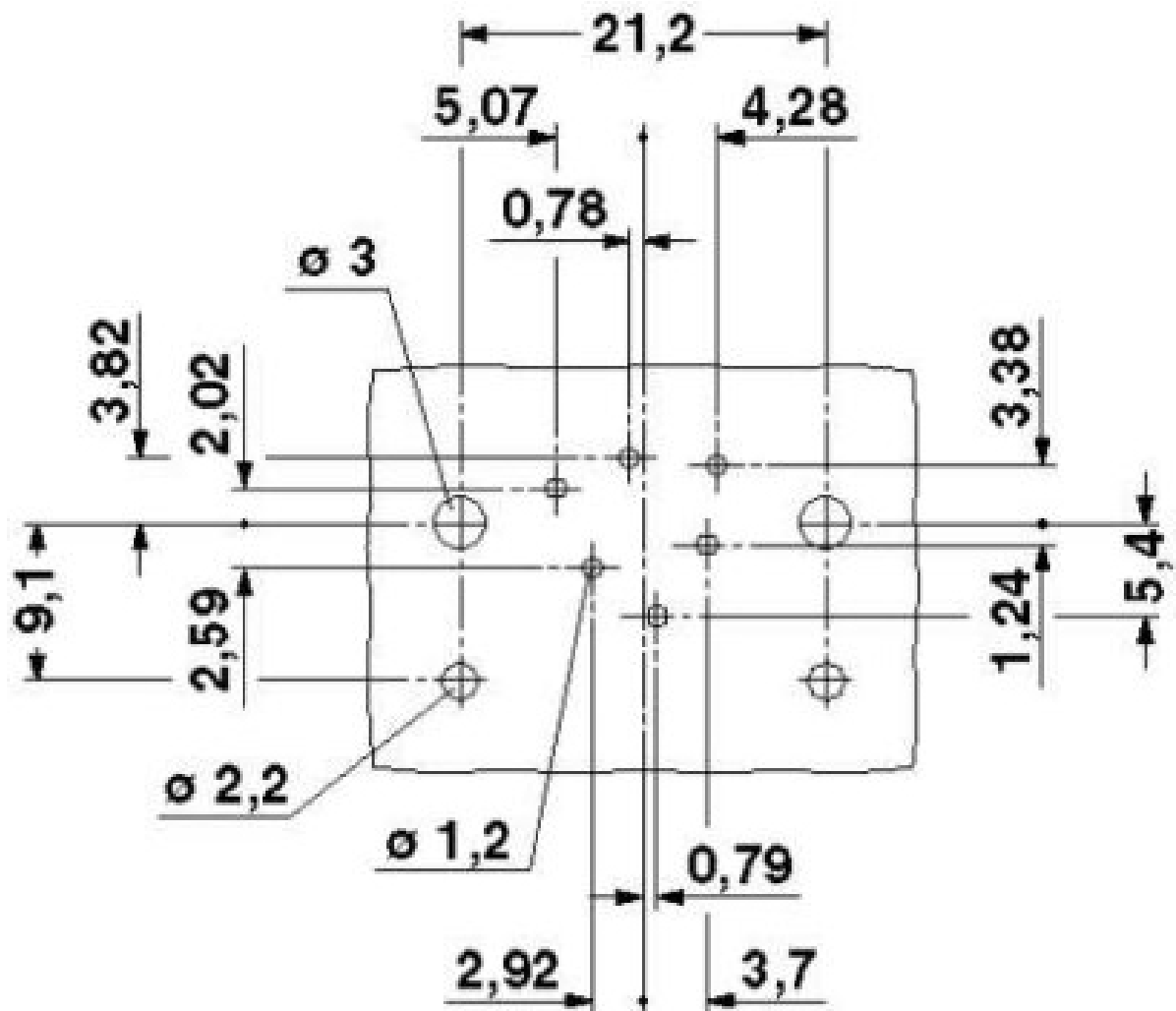
Environmental and real-life conditions

Ambient conditions

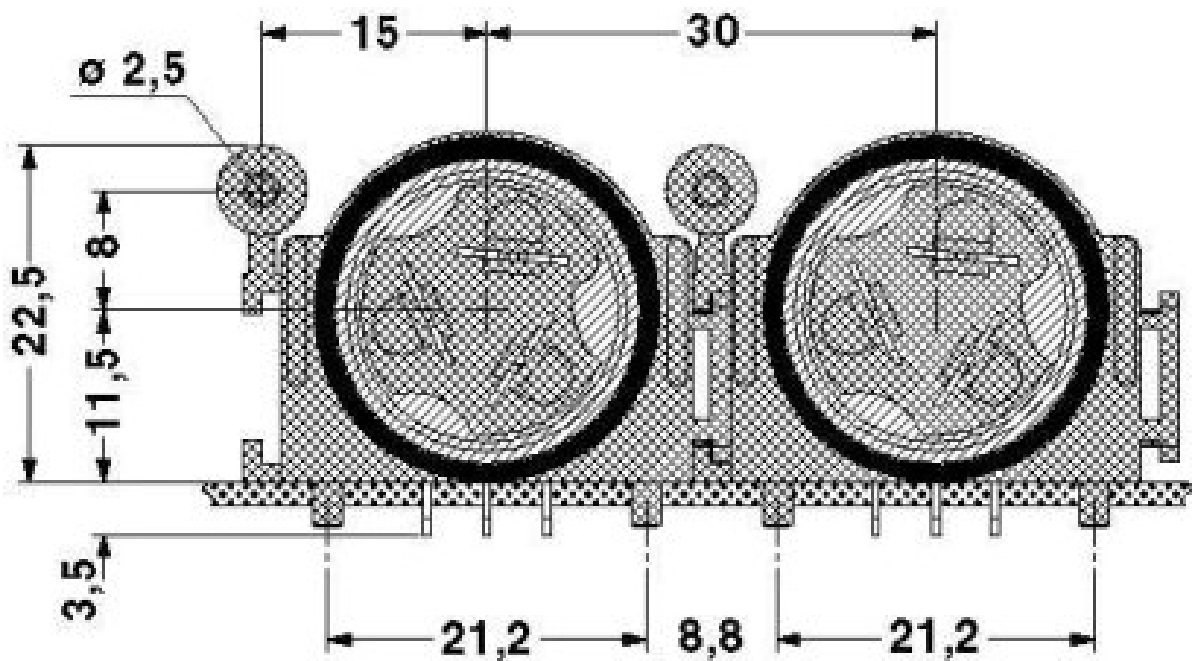
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C
	-25 °C ... 50 °C (when the conductor is connected. Specifications of the cable manufacturer must also be observed.)
Temperature when conductor connected	-5 °C ... 50 °C

Drawings

Drilling plan/solder pad geometry



Dimensional drawing



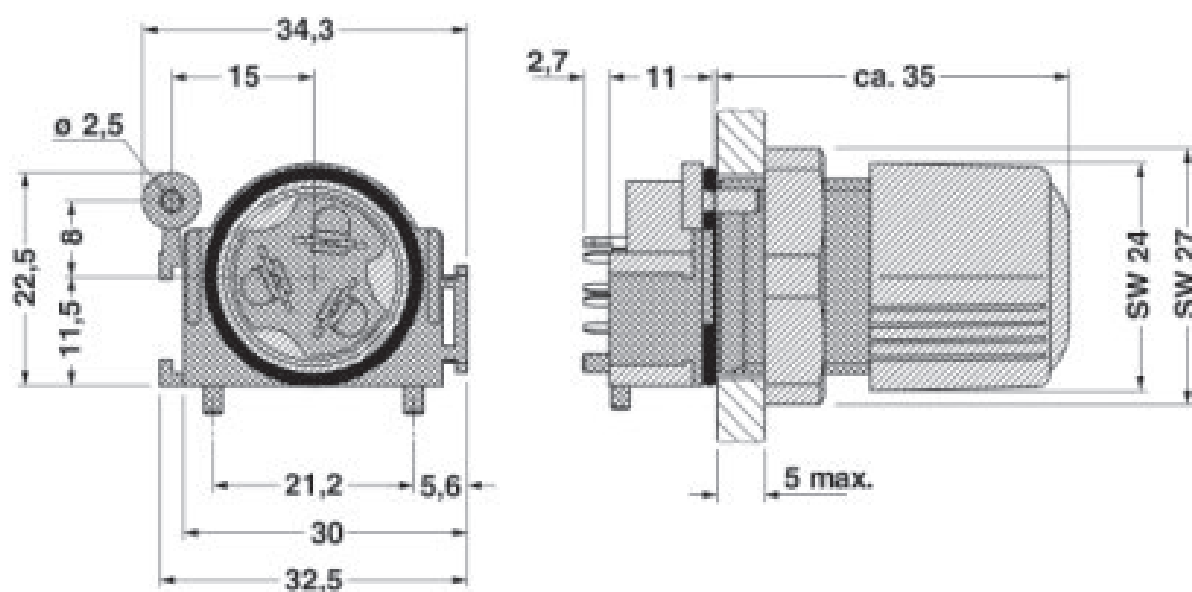
For aligning PCB versions, 30 mm pitch, Pg13,5 in rows. To lock the contact carrier, the Q-MU PG 13,5 M nut should be used.

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Dimensional drawing



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Classifications

ECLASS

ECLASS-11.0	27440602
ECLASS-13.0	27440602

ETIM

ETIM 8.0	EC002566
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UNSPSC

UNSPSC 21.0	39121500
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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

Q-SMU PG13,5 SET - Nut

1670756

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Locking nut, can only be released with wrench, Pg13.5/ WAF 24, coding 1

Q-MU PG13,5 M - Nut

1670905

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Counter nut, (metal), to lock the contact carrier in the case of aligning

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Q-MU PG13,5 - Nut

1670484

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Nut (plastic) to lock the contact carrier Pg13.5 / 27 WAF

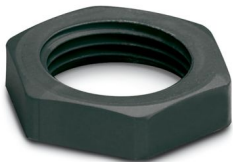


Q-MU PG11 - Nut

1670471

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Nut (plastic) to lock the contact carrier Pg11 / 24 WAF



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Q-PROT13/16 - Filler plug

1670222

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Closing caps, for Pg13/ Pg16, for closing unoccupied connections



Q-PROT 9/11 - Filler plug

1670235

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Closing cap for Pg9/Pg11 to close unoccupied connections



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