

1670277

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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 2-pos. = 19.0 mm - 0.3

Your advantages

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

Commercial data

Item number	1670277
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BF50
Product key	BF6HAB
Catalog page	Page 19 (PC-2002)
GTIN	4017918146467
Weight per piece (including packing)	23.45 g
Weight per piece (excluding packing)	22.11 g
Customs tariff number	85366990
Country of origin	PL

Q 1,5/2L180/11KU-DSI - Panel feed-through



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Technical data

Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

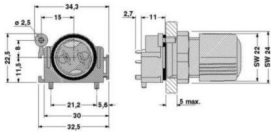
Connection technology

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	22 mm
Wrench size Contact carrier	22 mm

Dimensions

Dimensional drawing	
Width	34.3 mm
Height	22.5 mm
Length	42.3 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

Mounting

Mounting type	Front mounting Pg11
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

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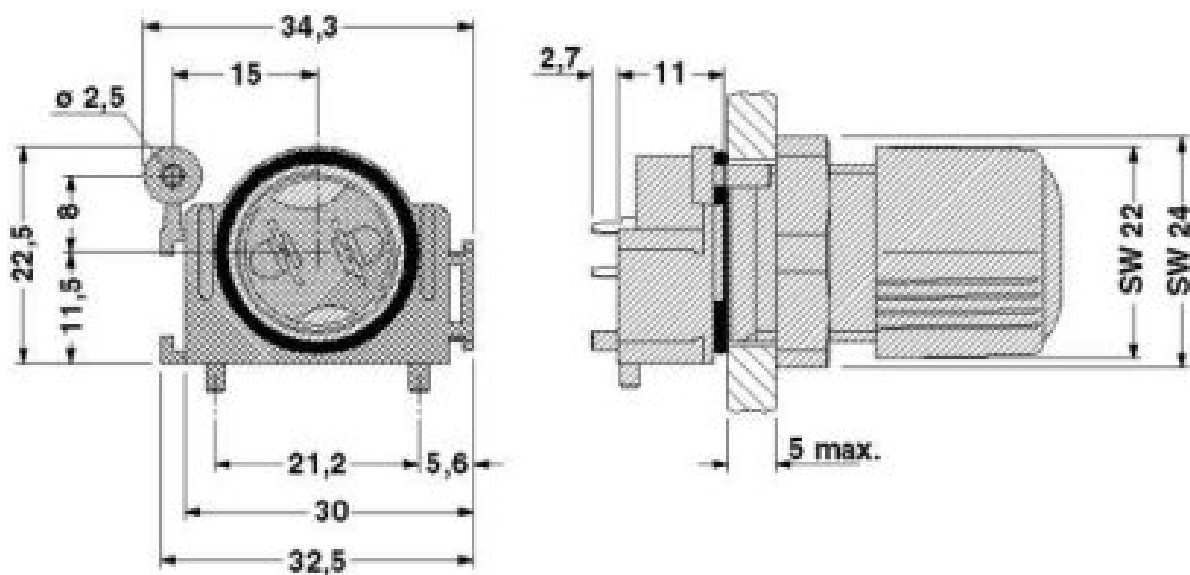
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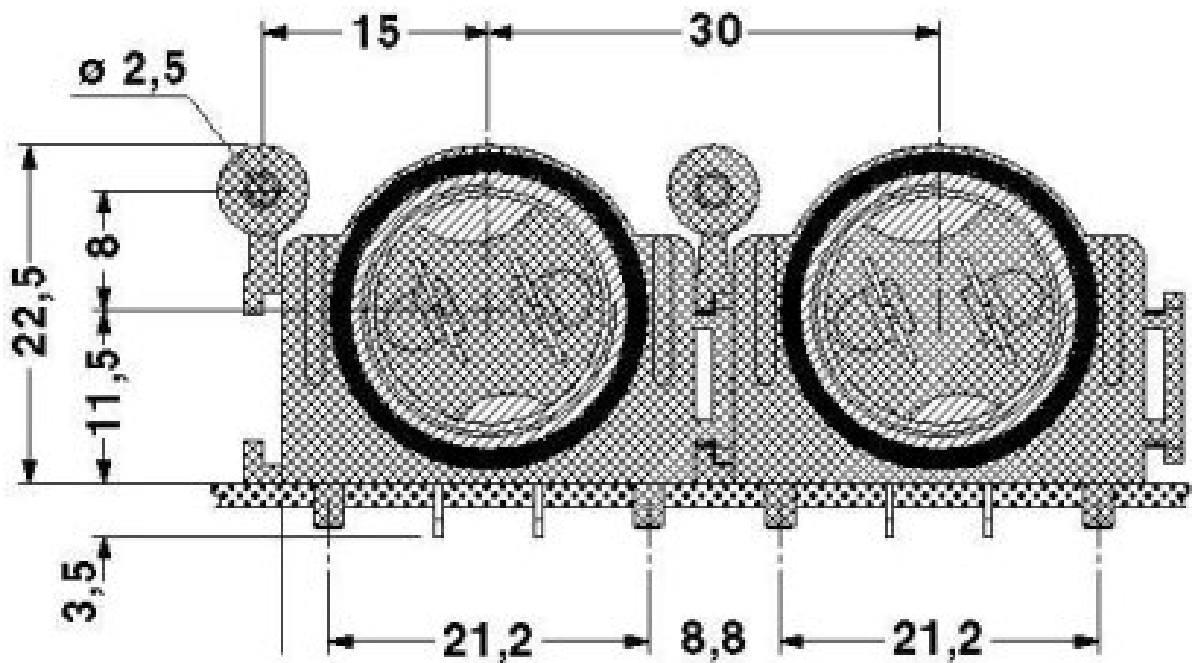


Drawings

Dimensional drawing

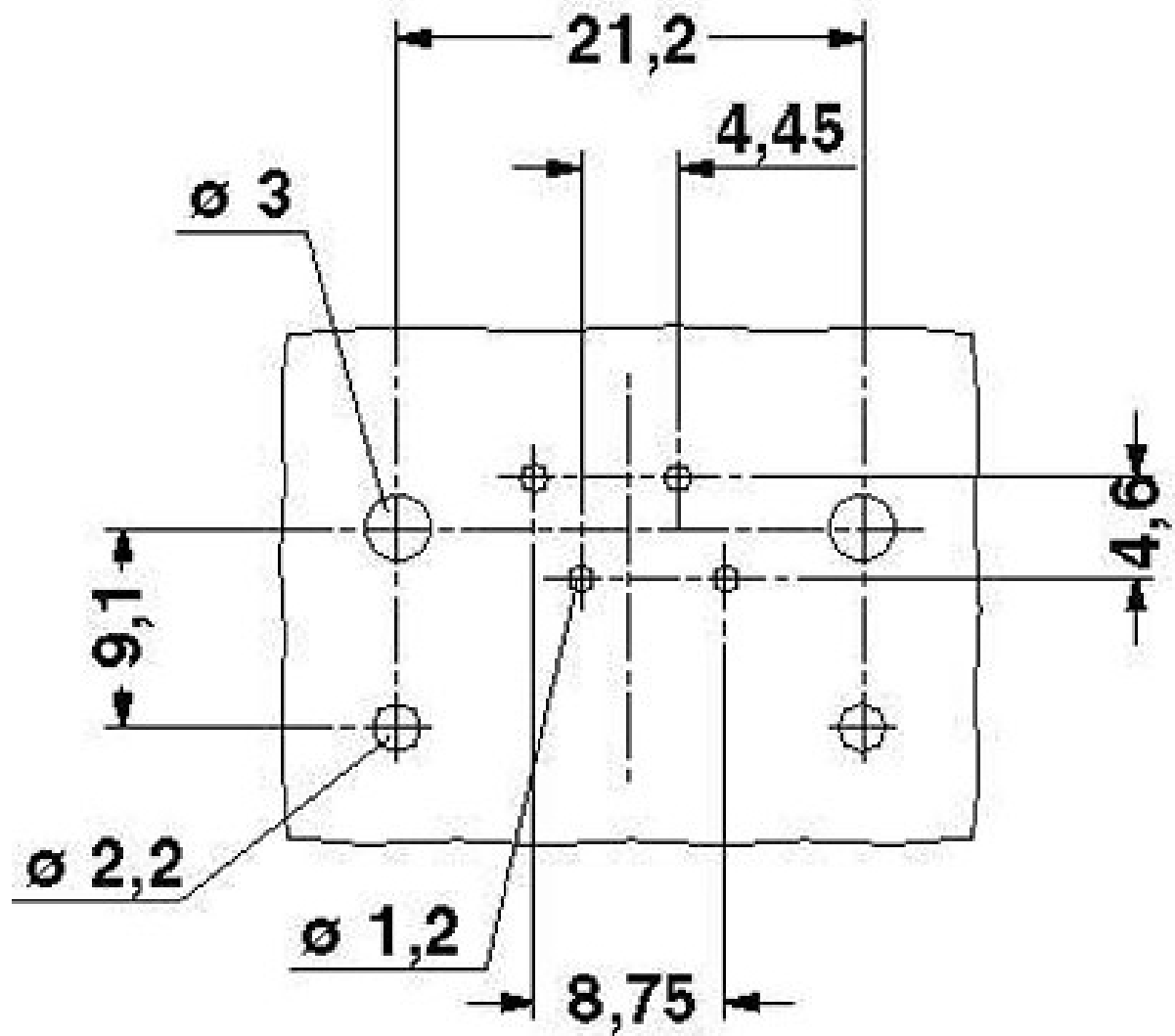


Dimensional drawing



For aligning PCB versions, 30 mm pitch, Pg11 in rows. To lock the contact carrier, the Q-MU PG 11 nut should be used.

Drilling plan/solder pad geometry



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1670277>

	cUL Recognized Approval ID: FILE E 118976			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	11 A	-	-

	UL Recognized Approval ID: FILE E 118976			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	15 A	-	-

	EAC Approval ID: RU C-DE.A*30.B.01102			

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

cULus Recognized				
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Classifications

ECLASS

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

ETIM

ETIM 9.0	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-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

Q-MU PG13,5 M - Nut

1670905

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

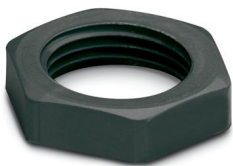


Q-MU PG13,5 - Nut

1670484

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



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Q-MU PG11 - Nut

1670471

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



Q-PROT13/16 - Filler plug

1670222

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



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Q-PROT 9/11 - Filler plug

1670235

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Closing cap for Pg9/Pg11 to close unoccupied connections



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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com