

Q 1,5/4A50/16-M25KU-ESA - Panel feed-through



1640744

<https://www.phoenixcontact.com/us/products/1640744>

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Panel feed-through with wire exit 1.5 mm² and 0.5 m Litz wire: connecting thread: M25, 4-pos.

Your advantages

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

Commercial data

Item number	1640744
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF50
Product key	BF6HAB
Catalog page	Page 19 (PC-2002)
GTIN	4017918177423
Weight per piece (including packing)	72.5 g
Weight per piece (excluding packing)	72.42 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Panel feed-through
Number of positions	4
Position marking	1, 2, 3, 4
Number of connections	4
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	Single wires
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

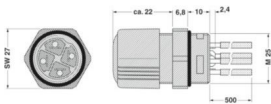
Conductor cross section flexibel	0.75 mm² ... 1.5 mm²
Conductor cross section solid	0.75 mm² ... 1 mm²
Connection cross section AWG	18 ... 16
Tightening torque Union nut	3.3 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	27 mm
Wrench size Contact carrier	30 mm

Pin assignment

Contact Color (signal designation) Contact (optional)	1 BN
	2 WH
	3 BU
	4 BK

Dimensions

Dimensional drawing



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Width	27 mm
Height	27 mm
Length	41.2 mm

Electrical properties

Rated surge voltage (III/3)	6 kV
Rated current	17.5 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	630 V (with insulating sleeve)
rated voltage (III/2)	320 V (with insulating sleeve)
Rated voltage (III/3)	250 V (with insulating sleeve)
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

Cable length	0.5 m
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.2-5, min. wire diameter 0.2 mm
External cable diameter	6 mm ... 12 mm
Wire diameter including insulation	1.8 mm ... 3 mm
Position marking	1, 2, 3, 4
Cable cross section	1.5 mm ²

Mounting

Mounting type	Front mounting M25
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 (specifications of the cable manufacturer must also be observed)

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	-25 °C ... 50 °C
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)

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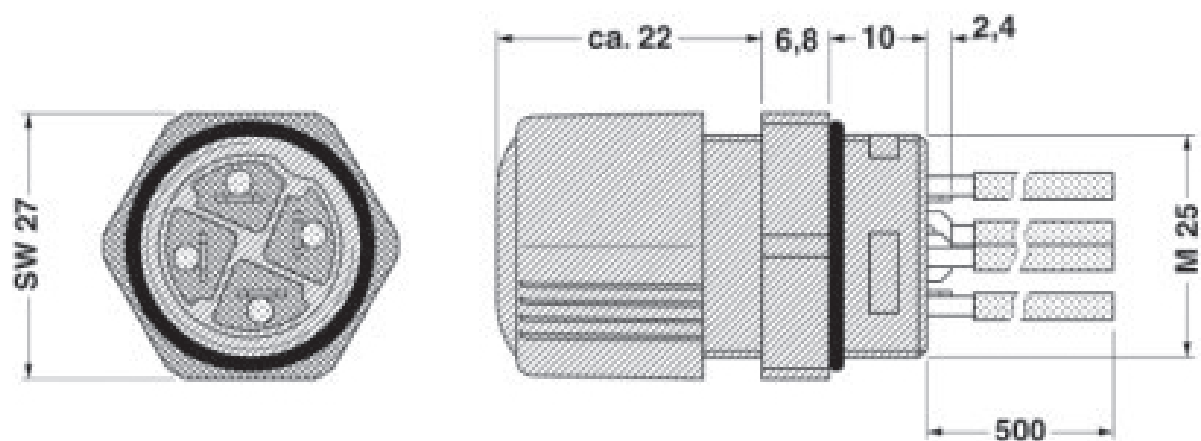


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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1640744>

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

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

	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

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-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 M25 - Nut

1640715

<https://www.phoenixcontact.com/us/products/1640715>

Nut (plastic) to lock the contact carrier from the inside of the device



Q-PROT13/16 - Filler plug

1670222

<https://www.phoenixcontact.com/us/products/1670222>

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



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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

MICROFOX-SB - Diagonal cutter

1212489

<https://www.phoenixcontact.com/us/products/1212489>



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

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QSS 27 - Socket wrench

1670646

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Allen wrench, for loosening and fastening the QUICKON union nut, WAF 27 mm

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