

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



1640676

<https://www.phoenixcontact.com/no/products/1640676>

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Panel feed-through, for external wall mounting, with manual solder/slip-on connection, 4.8 x 0.8 mm

## Your advantages

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

## Commercial data

Item number	1640676
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	31BBF
Product key	BF6HAB
Catalog page	Page 18 (PC-2002)
GTIN	4017918188757
Weight per piece (including packing)	30.3 g
Weight per piece (excluding packing)	28.88 g
Customs tariff number	85369010
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

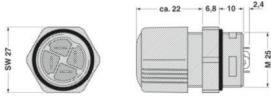
#### Connection technology

Connection method On the device side	Manual solder/slip on 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	3.3 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	27 mm
Wrench size Contact carrier	30 mm

### Dimensions

Dimensional drawing	
Width	27 mm
Height	27 mm
Length	41.2 mm

### Electrical properties

Rated surge voltage (III/3)	6 kV
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Rated current	17.5 A
Contact resistance	< 3 mΩ
Rated voltage (III/3)	250 V (with insulating sleeve)
Nominal voltage U <sub>N</sub>	250 V AC
	250 V DC
Nominal current I <sub>N</sub>	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
External cable diameter ( )	6 mm ... 12 mm
Wire diameter including insulation	>= 3 mm
Position marking	1, 2, 3, 4

## 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)
	-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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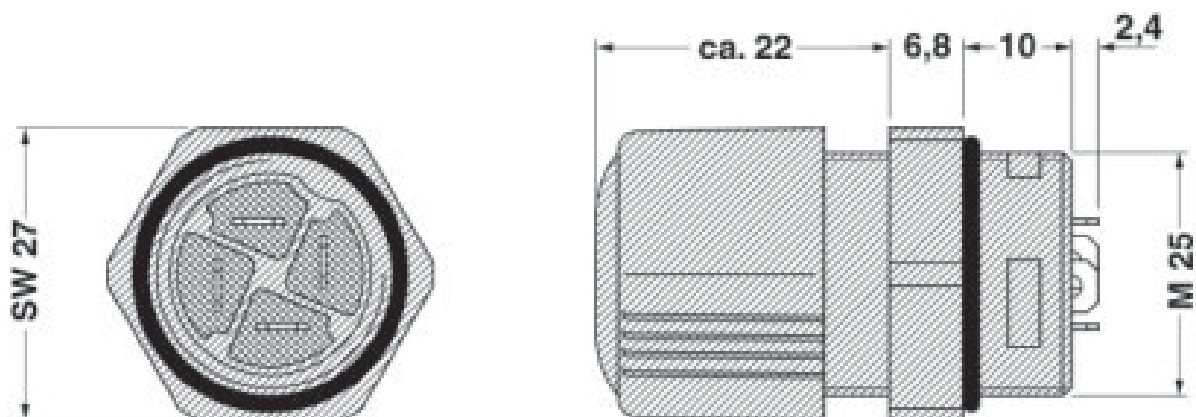
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## Drawings

### Dimensional drawing



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## Approvals

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 <b>cUL Recognized</b> Approval ID: FILE E 118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	11 A	-	-

 <b>UL Recognized</b> Approval ID: FILE E 118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	15 A	-	-

 <b>EAC</b> Approval ID: RU C-DE.A*30.B.01102				
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 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00511				
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<b>cULus Recognized</b>				
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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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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