

# 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  $1.5 \text{ mm}^2$  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	AF6HAB
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 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section solid	0.75 mm <sup>2</sup> ... 1 mm <sup>2</sup>
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

#### Connection 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 <sup>2</sup>

## Mounting

Mounting type	Front mounting M25
Assembly note	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
Impact strength	IK07
Ambient temperature (operation)	-25 °C ... 80 °C (specifications of the cable manufacturer must

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	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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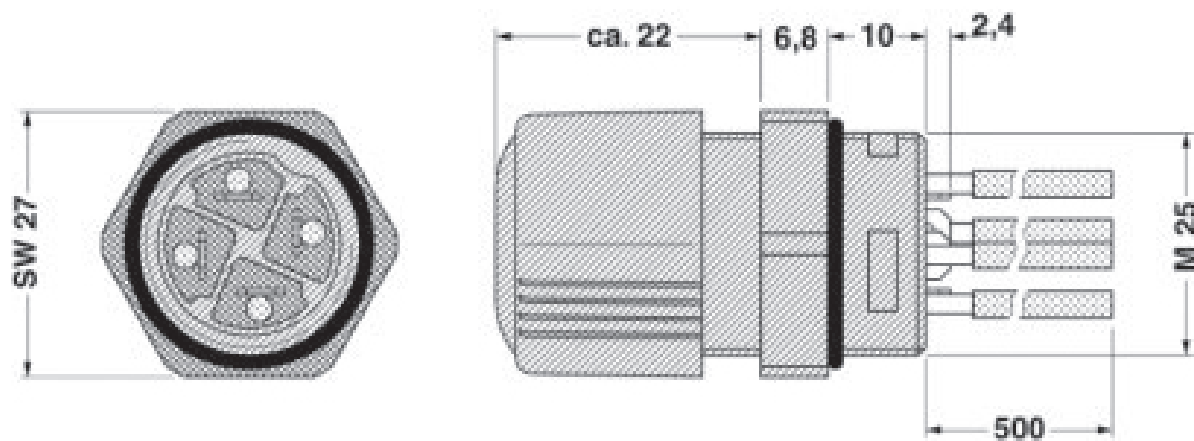


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## Drawings

### Dimensional drawing



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## Approvals

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 <b>cUL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	250 V	11 A	-	-

 <b>UL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	250 V	15 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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