

1641471
<https://www.phoenixcontact.com/us/products/1641471>

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Panel feed-through, for external panel 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	1641471
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	AF6HAB
GTIN	4017918876562
Weight per piece (including packing)	20.76 g
Weight per piece (excluding packing)	20.59 g
Customs tariff number	85366990
Country of origin	PL

Q 1,5/4FL/24-M20KU-ESA - Panel feed-through



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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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

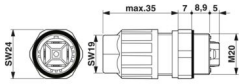
Connection technology

Connection method On the device side	Manual solder/slip on connection (4.8 mm x 0.8 mm)
Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Conductor cross-section flexibel	0.75 mm ² ... 1.5 mm ²
Conductor cross-section solid	0.75 mm ² ... 1 mm ²
Connection cross section AWG	18 ... 16
Tightening torque Union nut	3 Nm
Tightening torque Contact carrier	4.5 Nm
Tightening torque Locking nut	4.5 Nm
Wrench size Union nut	19 mm
Wrench size Contact carrier	24 mm

Dimensions

Dimensional drawing	
Width	24 mm
Height	24 mm
Length	55.9 mm

Electrical properties

Rated surge voltage (II/2)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (III/3)	6 kV
Rated current	15 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V

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rated voltage (III/2)	800 V
Rated voltage (III/3)	500 V (with insulating sleeve PT/FS 4,8. Without insulating sleeve 250 V AC.)
Nominal voltage U_N	500 V AC
	500 V DC
Nominal current I_N	15 A

Material specifications

Color	green (RAL 6021)
Material Housing	PA
Material Contact	CuZn
Material Contact surface	tin-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	6 mm ... 12 mm
Wire diameter including insulation	1.8 mm ... 3 mm
Position marking	1, 2, 3, 4
Material wire insulation	PVC / PE

Mounting

Mounting type	Front mounting M20
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
Ambient temperature (operation)	-40 °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)

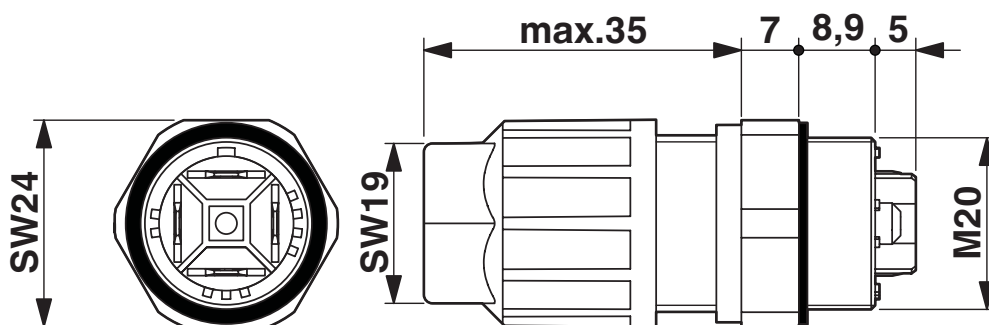
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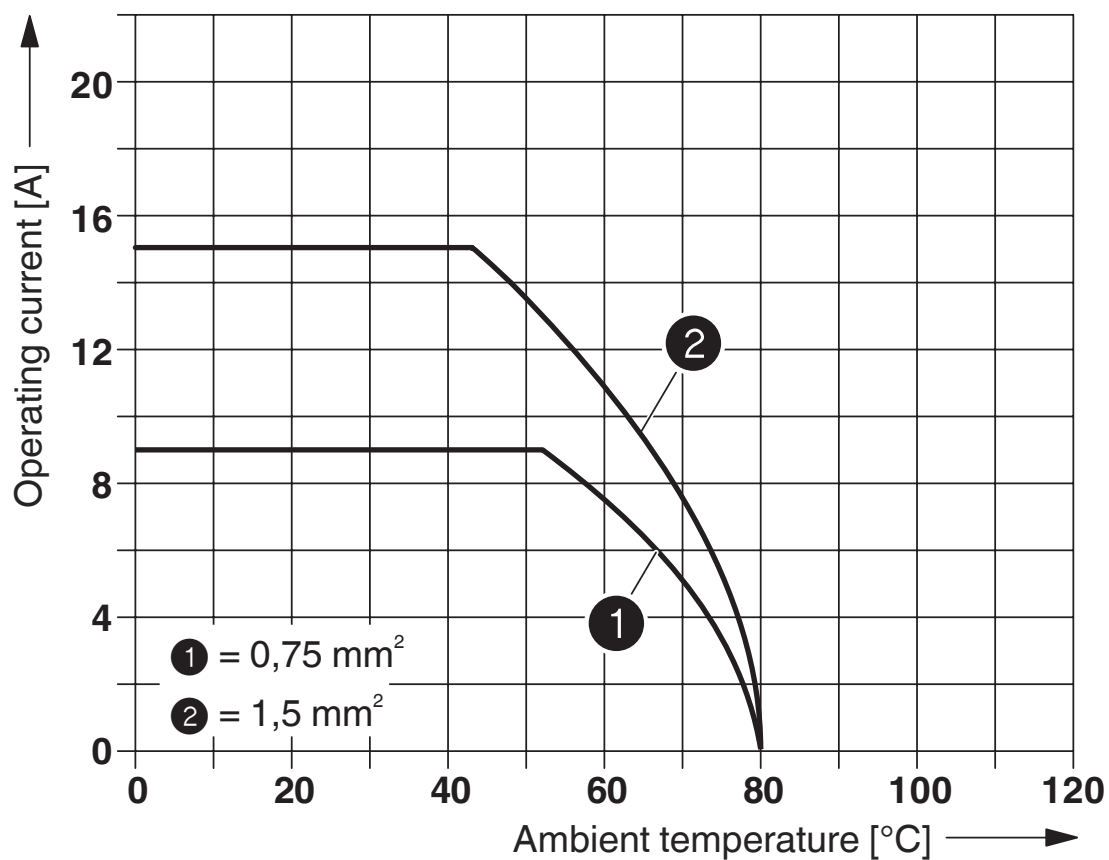
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Drawings

Dimensional drawing



Diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1641471>

 cUL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	11 A	-	-

 UL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	15 A	-	-

 EAC Approval ID: RU C-DE.A*30.B.01102				
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 VDE approval of drawings Approval ID: 40032336				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	500 V	-	-	0.75 - 1.5

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Classifications

ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

ETIM

ETIM 10.0	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
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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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EF3.1 Climate Change

CO2e kg	0.589 kg CO2e
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