

# SACC-E-MINMS-5CON-PG13/1,0 - Circular connectors (device side)

1453258

<https://www.phoenixcontact.com/us/products/1453258>

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Sensor/actuator panel-mount connector, 5-pos., 7/8", front mounting with Pg13.5 thread, with 2.0 m PVC litz wire, 5 x 0.75 mm<sup>2</sup>

## Commercial data

Item number	1453258
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	ABQPAA
GTIN	4046356548724
Weight per piece (including packing)	113.3 g
Weight per piece (excluding packing)	113.3 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connectors (device side)
Sensor type	Universal
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	HB
Seal material	Viton
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PUR
Material for screw connection	Zinc die-cast, nickel-plated

### Electrical properties

Contact resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	250 V
Nominal current $I_N$	9 A

### Connection data

#### Conductor connection

Connection method	Individual wires
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### Connector

#### Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	7/8"-16UNF

#### Connection 2

Head design	free cable end
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### Cable/line

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Cable length	2 m
Signal type/category	Universal
Wire diameter incl. insulation	2.7 mm
Single wire, color	brown, white, blue, black, green-yellow
Cable cross section	0.75 mm <sup>2</sup>
Conductor structure signal line	24x 0.20 mm
AWG signal line	18
Material wire insulation	PE
Thickness, insulation	0.85 mm (Core insulation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C (Plug)
Ambient temperature (operation) (fixed installation)	-40 °C ... 85 °C (cable, fixed installation)

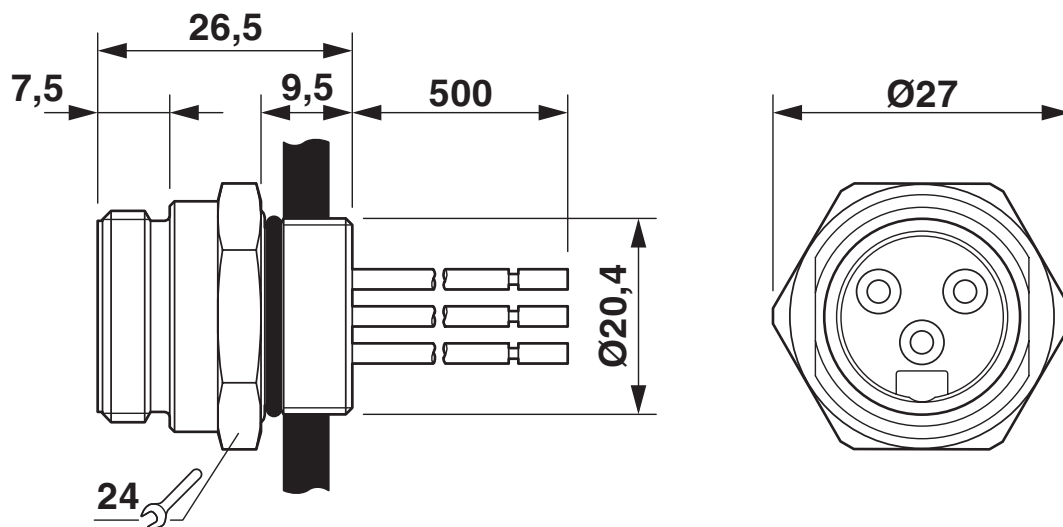
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## Drawings

Dimensional drawing



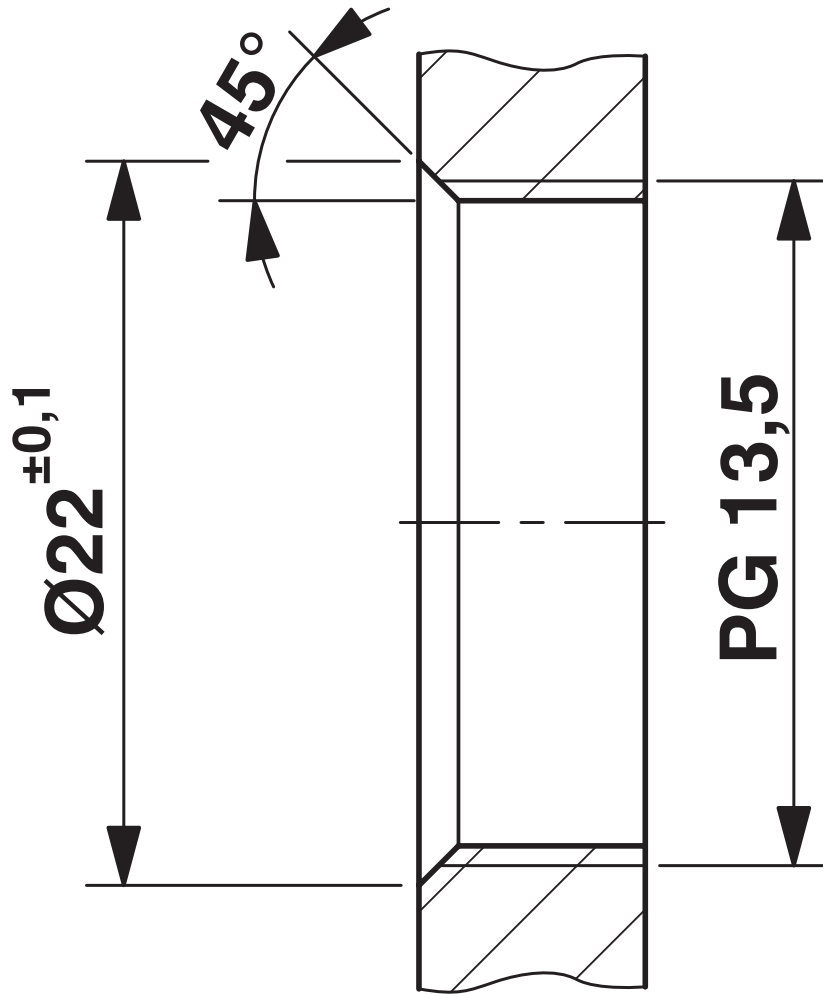
7/8" flush-type plug

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Dimensional drawing



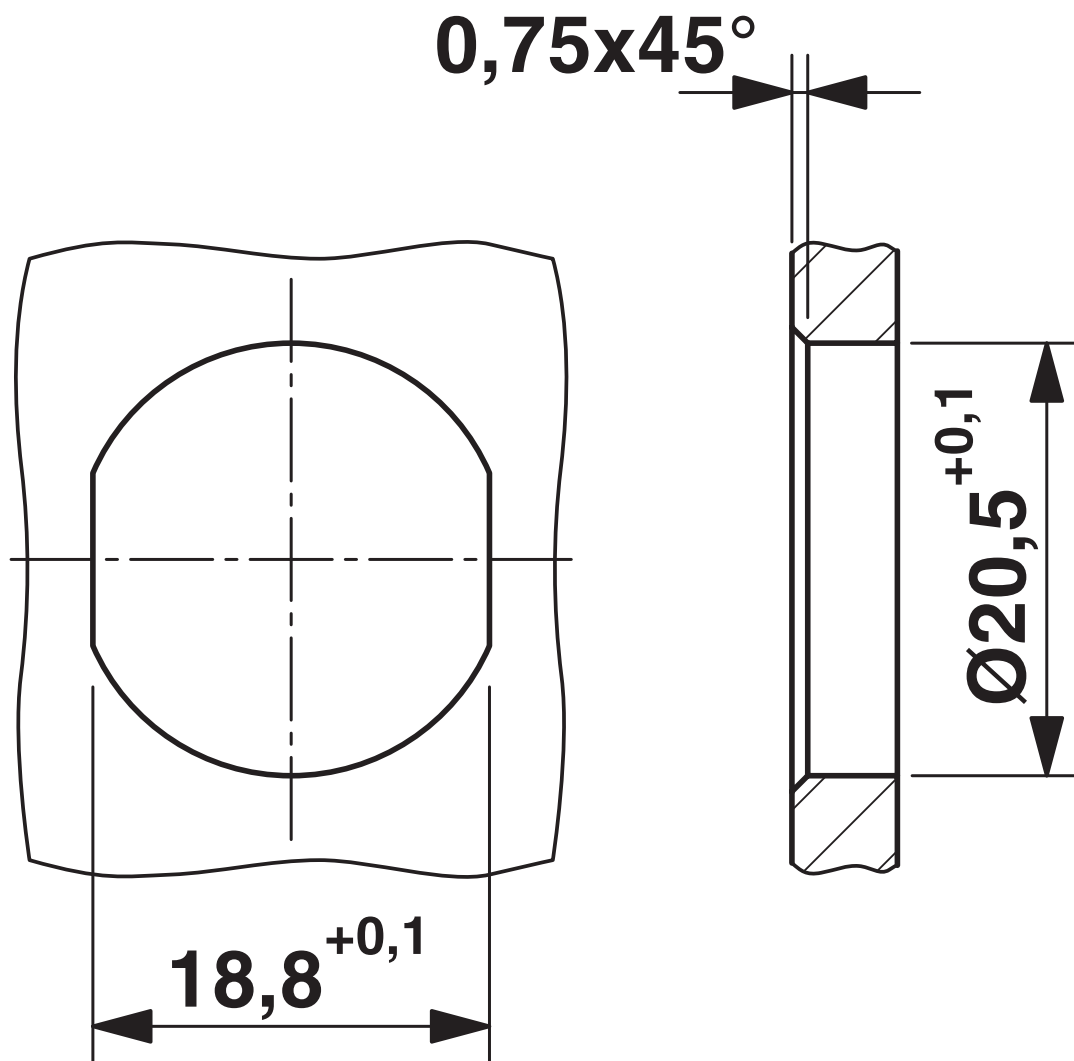
Mounting panel with thread

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Dimensional drawing



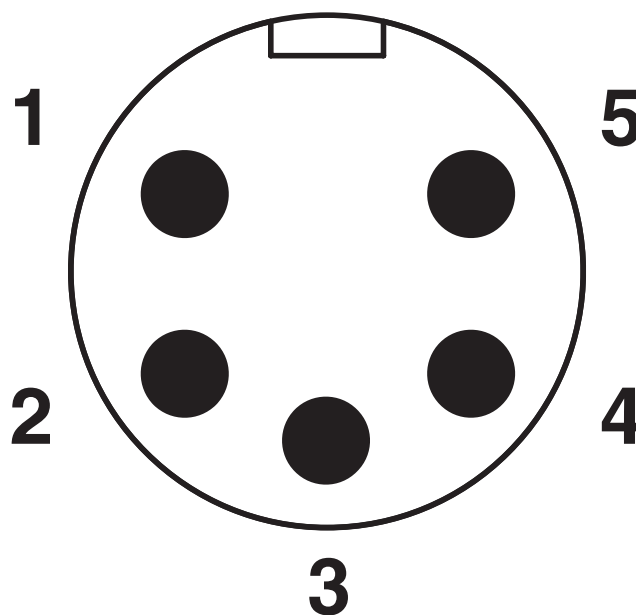
Mounting panel with feed-through hole

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Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

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