

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 mm²

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)
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

Cable length	2 m
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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 ²
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)

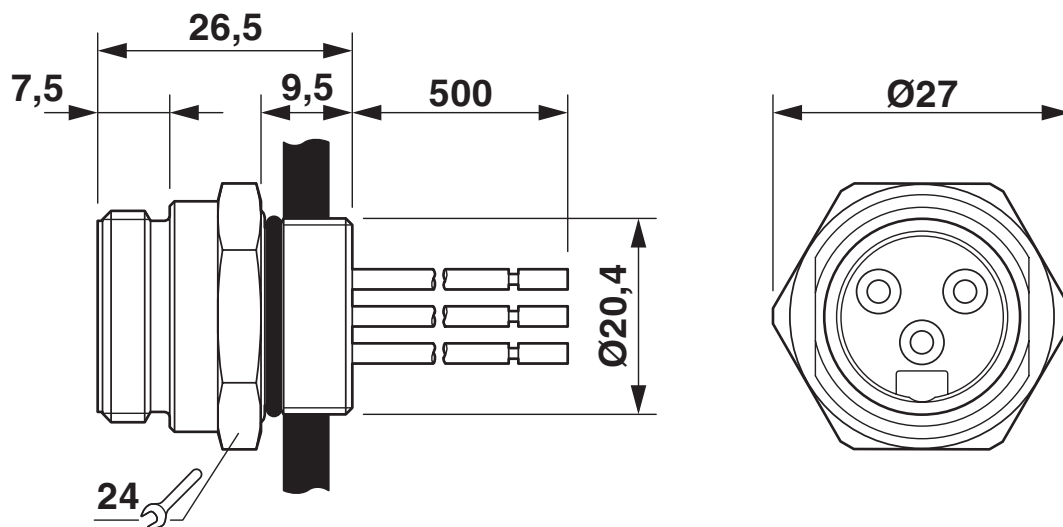
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Drawings

Dimensional drawing



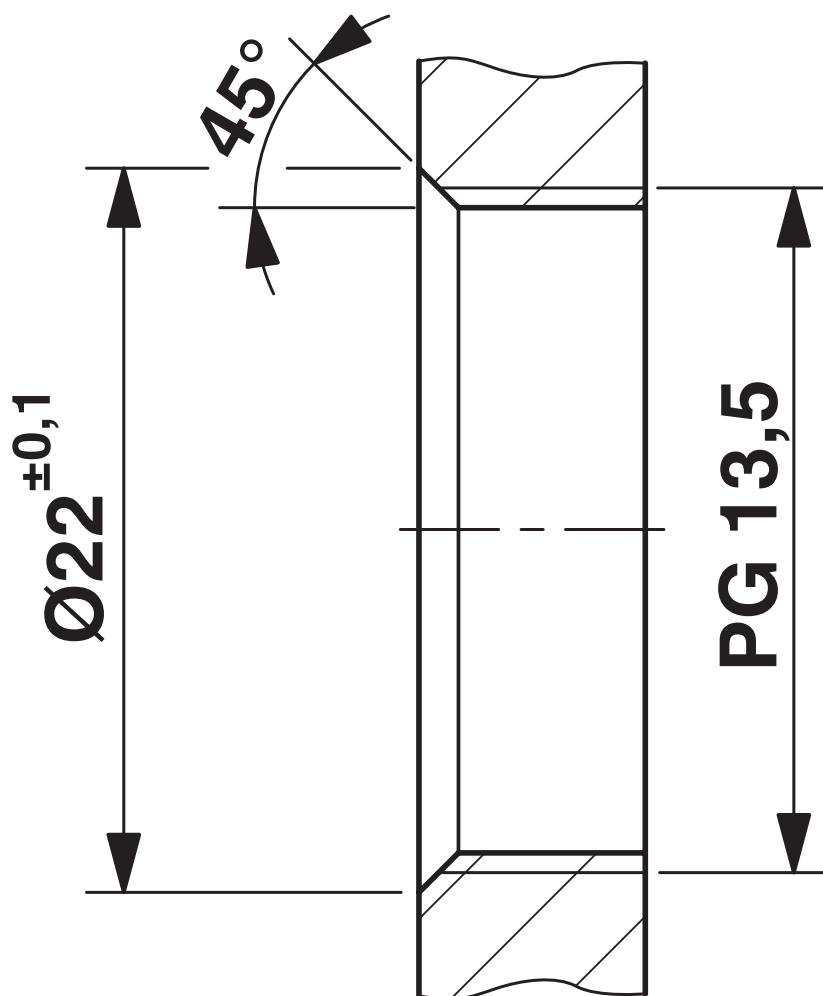
7/8" flush-type plug

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Dimensional drawing



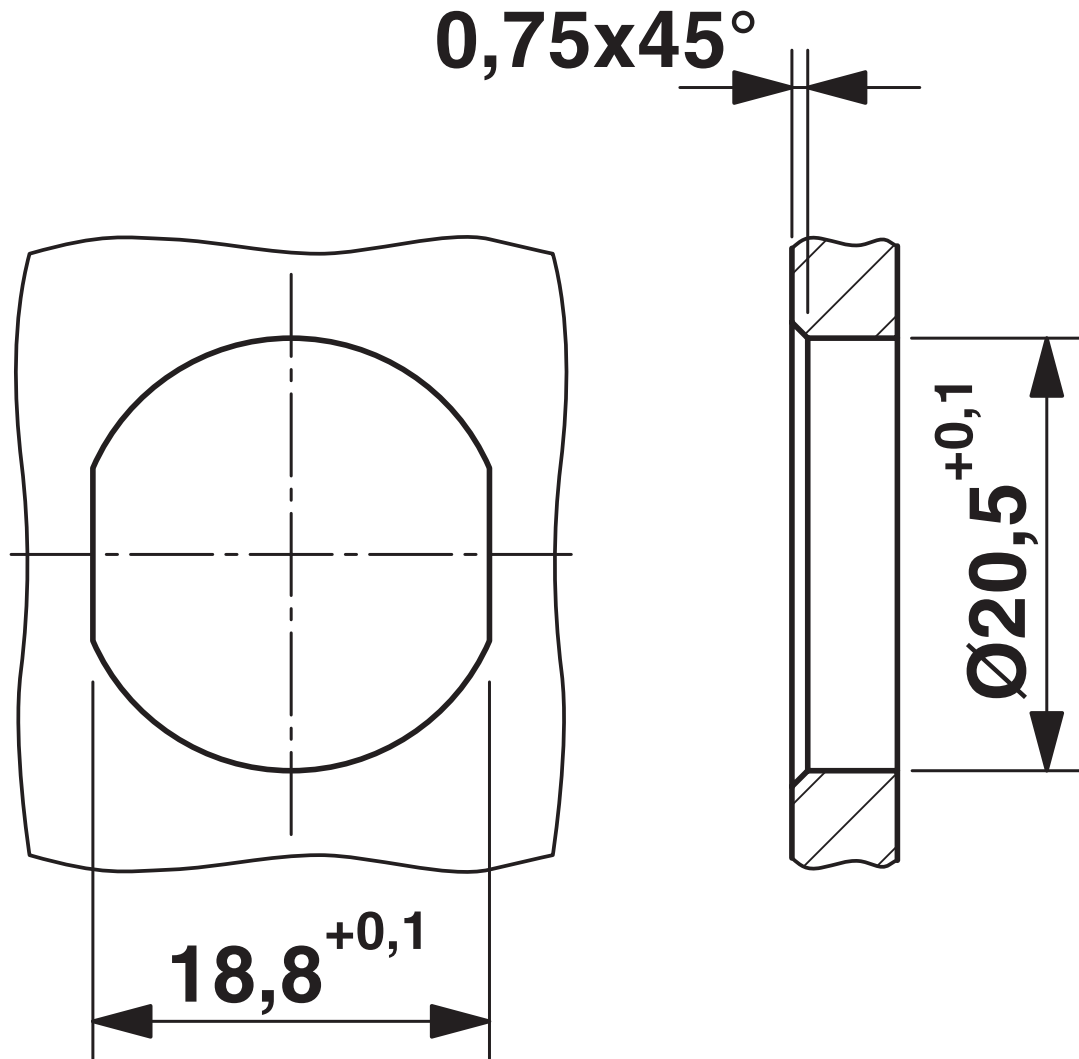
Mounting panel with thread

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Dimensional drawing



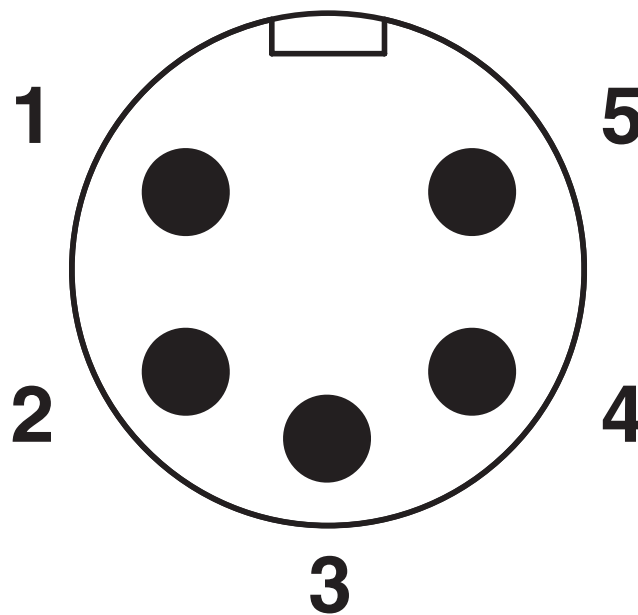
Mounting panel with feed-through hole

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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