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Panel feed-through - SACC-E-M12FS-4CON-PG9/1,0 VAPO

1401206

https://www.phoenixcontact.com/gb/products/1401206

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Sensor/actuator flush-type socket, 4-pos., M12, A-coded, front/screw mounting with Pg9 thread, with 1 m TPE litz wire, 4 x 0.34 mm^2, stainless steel version, molded version

Commercial Data

Item number	1401206
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABQCDB
Product Key	ABQCDB
GTIN	4046356538220
Weight per Piece (including packing)	30.4 g
Weight per Piece (excluding packing)	28.3 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Notes

Safety note

Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	• Assembled products may not be manipulated or improperly opened.
	• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	• When using the product in direct connection with third-party manufacturers, the user is responsible.
	• For operating voltages > 50 V AC, conductive connector housings must be grounded
	• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	• Observe the corresponding technical data. You will find information: o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product
	• Only use tools recommended by Phoenix Contact
	• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	• Ensure that the protective or functional ground has been properly connected.
	• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
	• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting

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	warnings (e.g. DIN EN ISO 13732-1:2008-12).

Product properties

Product type	Circular connectors (device side)
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A - standard

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Ambient conditions

Degree of protection	IP65/IP67/IP69/IP69K
Degree of protection	IP65/IP67/IP69K

Connector

Header 1

Head thread type	M12

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage U_N	250 V
Nominal current I_N	4 A

Material specifications

Flammability rating according to UL 94	V0
Sealing material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA66 GF
Cable gland material	Stainless steel

Mounting

Mounting type	Front mounting, Pg9 thread

Cable / line

Cable length	1 m

Cable structure

Cable type	TPE litz wire
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.25 mm

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AWG signal line	22
Material wire insulation	TPE
Thickness, insulation	0.21 mm
Wire diameter incl. insulation	1.2 mm ±0.07 mm
Single wire, color	brown, white, blue, black

Electrical properties

Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Conductor resistance	≤ 57.6 Ω/km
Cable insulation resistance	≥ 20 MΩ*km

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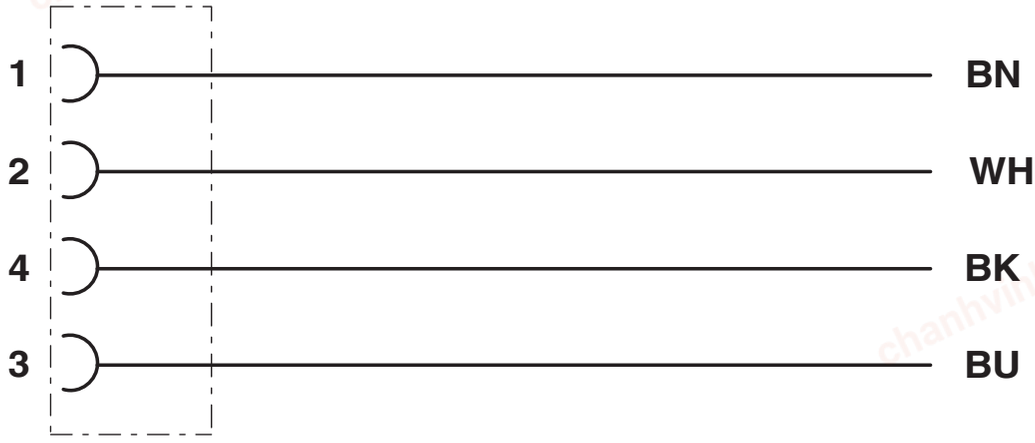
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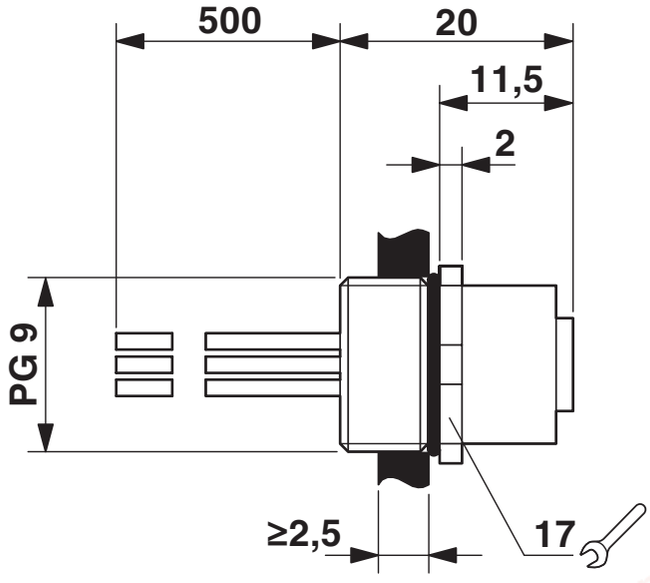
Drawings

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Dimensional drawing



M12 flush-type connector

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Approvals

UL Recognized
Approval ID: FILE E 118976

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	- 22	-

EAC
Approval ID: B.01687

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Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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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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