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Flush-type connector - SACCBP-M12MSD-4CON-M16/5,0-931 - 1551590

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Bus system flush-type plug, Ethernet, 4-pos., M12 SPEEDCON, shielded, D-coded, rear/screw mounting with M16 thread, with 5 m bus cable, 2 x 2 x 0.2 mm²

RoHS

Ethernet

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	
GTIN	4046356153713

Technical data

Dimensions

Fixed cable length	5 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)

General

Standards/regulations	M12 connector IEC 61076-2-101
Overvoltage category	II
Mounting type	Rear mounting, M16 x 1.5 thread with flat nut
Coding	D-coded
Cable cross section	0.14
AWG signal line	26
Rated surge voltage	2.5 kV AC
Degree of pollution	3
Degree of protection	IP67
Number of positions	4
Current	4 A
Voltage	48 V AC

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Technical data

Material

Contact material	CuZn
Contact surface material	Ni/Au
Flammability rating according to UL 94	V0

Connection data

Connection method	Bus line
Contact resistance with connected conductor	≤ 3 mΩ
Cable type	Ethernet

Conductor

Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Smallest bending radius, fixed installation	min. 35 mm
Smallest bending radius, movable installation	min. 35 mm

Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101
Flammability rating according to UL 94	V0
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

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Technical data

Standards and Regulations

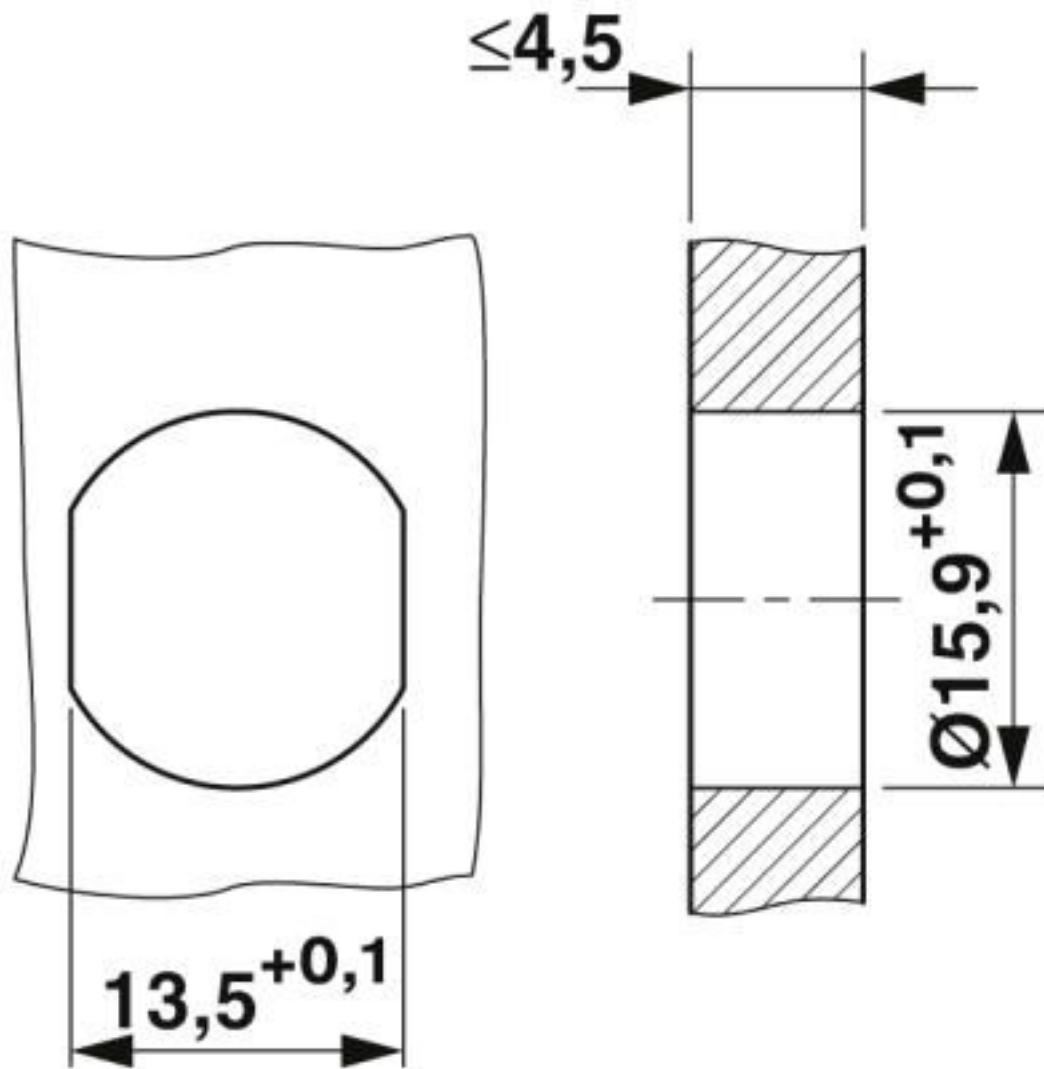|	o Online at phoenixcontact.com/products under the product
	• Only use tools recommended by Phoenix Contact
	• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	• Ensure 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 warnings (e.g. DIN EN ISO 13732-1:2008-12).

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

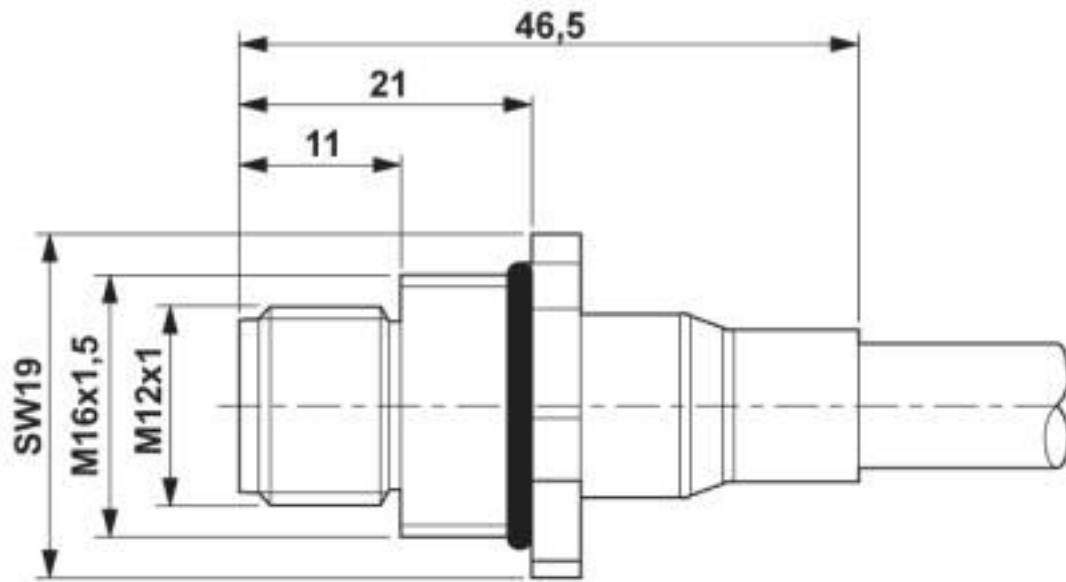# Flush-type connector - SACCBP-M12MSD-4CON-M16/5,0-931 - 1551590

Dimensional drawing

≤4,5

Ø15,9$^{+0,1}$

13,5$^{+0,1}$

Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)
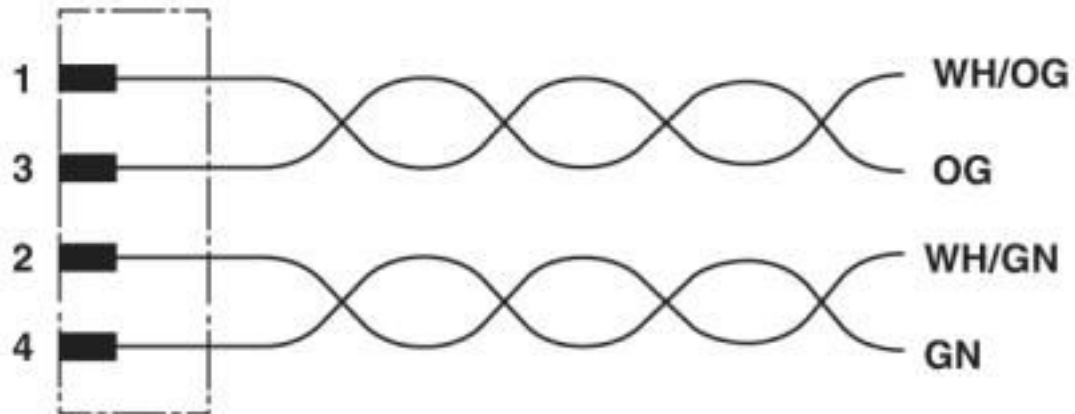
Flush-type connector - SACCBP-M12MSD-4CON-M16/5,0-931 - 1551590

Dimensional drawing

M12 flush-type plug

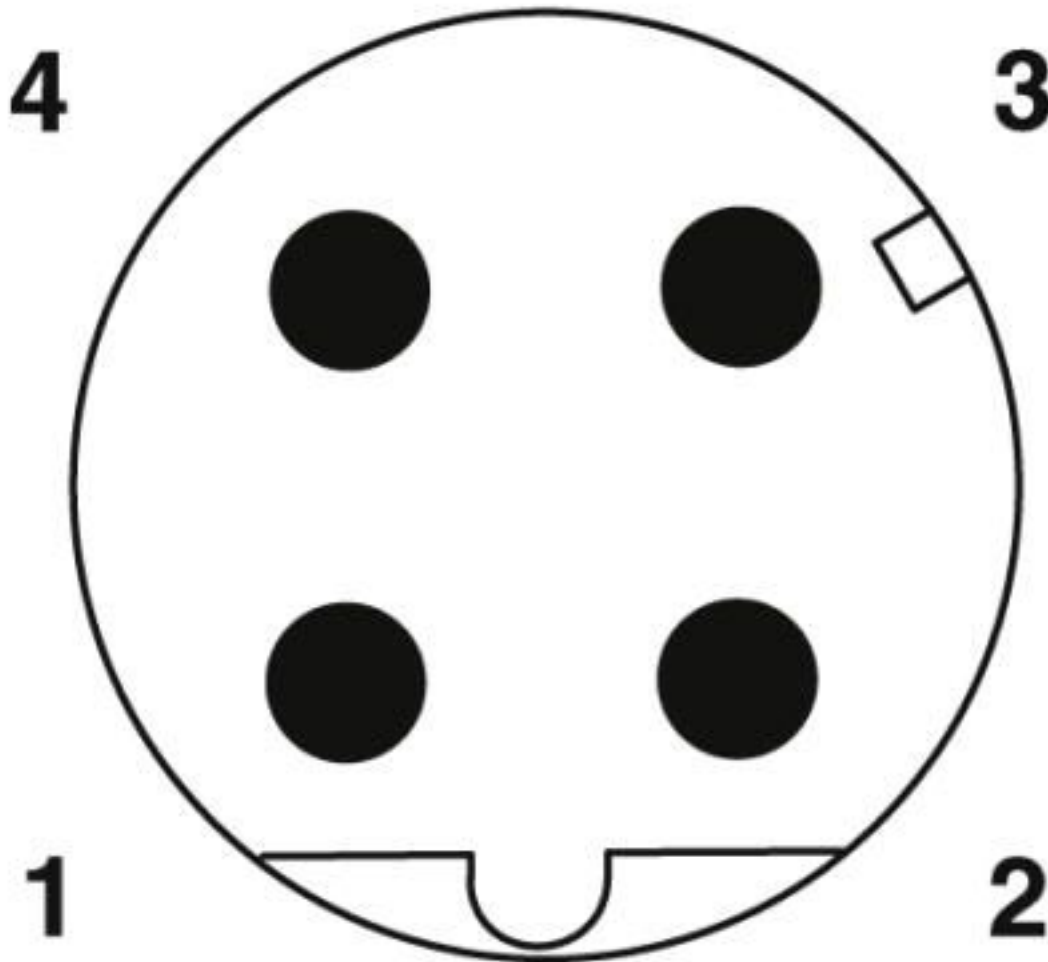Circuit diagram

Contact assignment of the M12 plug

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Schematic diagram

Pin assignment M12 male connector, 4-pos., D-coded, male side

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Cable cross section

Ethernet flexible CAT5, 2-pair [93E]

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

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Classifications

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC000830
ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	B.01687

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