chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Flush-type plug, shielded, 5-pos., M12, A-coded, rear/screw mounting with M16 thread, with 0.5 m line, 5 x 0.34 mm^2

Commercial Data

Item number	1550164
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABQCEC
Product Key	ABQCEC
GTIN	4046356146401
Weight per Piece (including packing)	57.1 g
Weight per Piece (excluding packing)	51.8 g
Customs tariff number	85444290
Country of origin	DE

chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

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

chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

	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).

Product properties

Number of positions	5
No. of cable outlets	1
Shielded	yes
Coding	A - standard

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	60 V
Nominal current I_N	4 A (Plug/socket in accordance with IEC 61076-2-101, cable technical data is to be observed)

LED signaling

Status display	No
Status display present	No

Material specifications

Flammability rating according to UL 94	V0
Sealing material	NBR
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Cable gland material	Zinc die-cast, nickel-plated

Cable / line

Cable length	0.5 m
Cable weight	48 kg/km

Cable structure

Cable abbreviation	Li9Y-V1-C-V1-11Y
Cable type	PUR halogen-free black
External cable diameter	5.90 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
AWG signal line	22

chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

Material, filler	PE
Single wire, color	Brown, white, blue, black, gray
Overall twist	5 wires around filler to the core
Shielding	Braided copper wires
Optical shield covering	85 %

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
Degree of protection	IP65/IP67
Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 85 °C

Mounting

Mounting type	Rear mounting, M16 x 1.5 thread with flat nut

chanhvinh.com

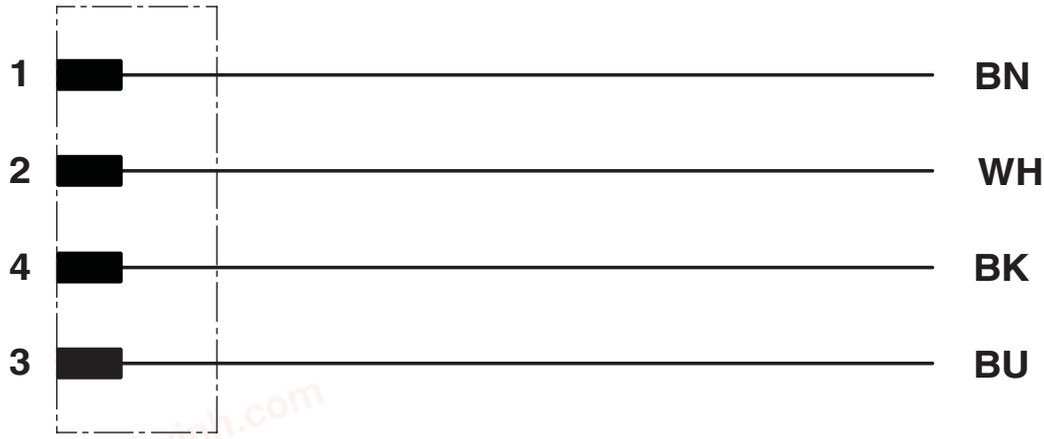
Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

Drawings

Circuit diagram



Contact assignment of the M12 plugs

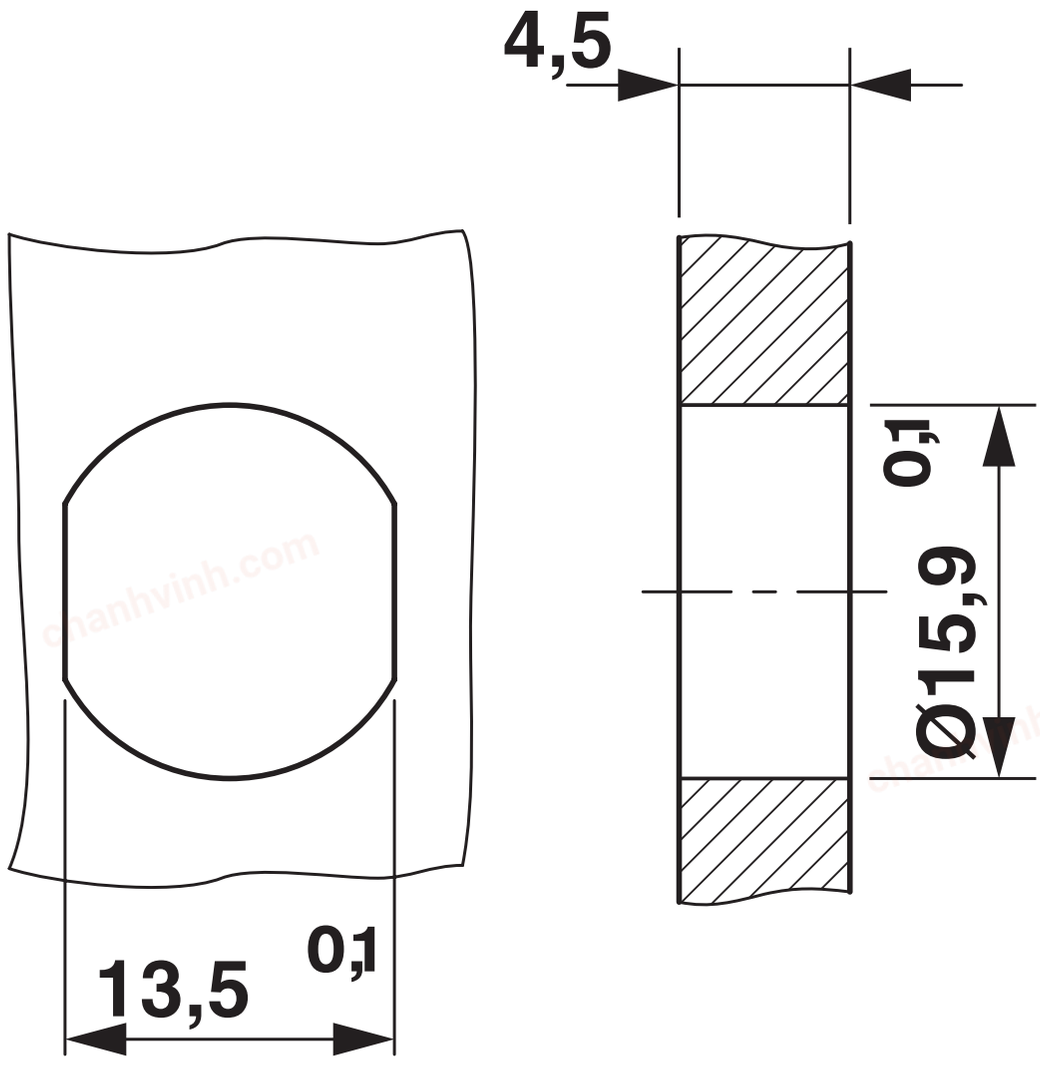
chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

Dimensional drawing



Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

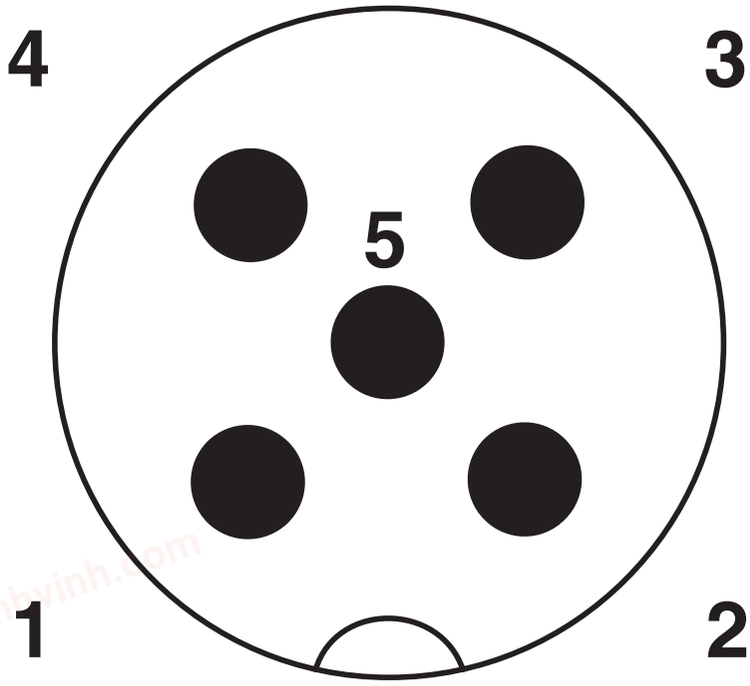
chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

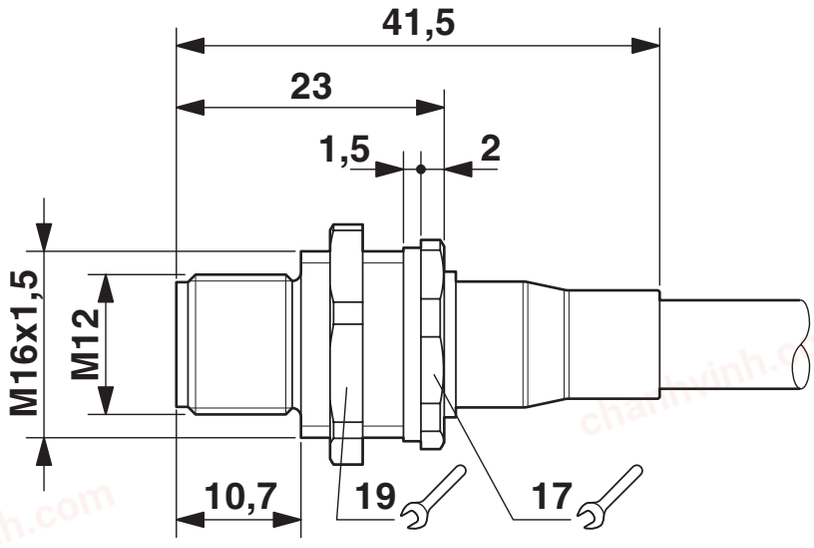
https://www.phoenixcontact.com/gb/products/1550164

Schematic diagram



Pin assignment M12 connector, 5-pos., A-coded, socket side view

Dimensional drawing



M12 flush-type connector

chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

Approvals

EAC

chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

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

chanhvinh.com

Device connector, rear mounting - SACCBP-M12MS-5CON-M16/0,5-PUR

1550164

https://www.phoenixcontact.com/gb/products/1550164

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer’s declaration available under “Downloads”

Phoenix Contact 2022 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk