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Extract from the online catalog

## SAC-5P-M12MSB/ 2,0-900/M12FSB

Order No.: 1507191



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1507191>

Bus system cable, INTERBUS, 5-position, PUR, halogen-free, Green RAL 6017, shielded, Plug, straight M12, B-coded, on Socket, straight M12, B-coded, Cable length: 2 m



Commercial data	
GTIN (EAN)	4017918900045
sales group	D117
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.1773 KG
Catalog page information	Page 266 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
06/29/2006



<http://www.download.phoenixcontact.com>  
 Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

General data	
Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 5 mΩ

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Insulation resistance	≥ 100 MΩ
Length of cable	2 m
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

**General characteristics**

Coding	B - inverse
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Insertion/withdrawal cycles	≥ 100
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
Status display	No

**Conductor data**

Cable type	INTERBUS
Cable type (abbreviation)	900
Conductor cross section	0.25 mm <sup>2</sup>
AWG signal line	24
Conductor structure signal line	32 x 0.10 mm
External cable diameter	8.00 mm
Wire colors	Green-yellow, white-brown, gray-pink
External sheath, color	Green RAL 6017
Insulation resistance	> 5 GΩ*km
Conductor resistance	≤ 159.8 mΩ/m
Working capacitance	60 nF (At 800 Hz)
Signal speed	0.66 c
Nominal voltage, conductor	250 V
Test voltage Core/Core	1500 V
Test voltage Core/Shield	1000 V
Twisted pairs	2 cores to the pair
Shielding	Braided copper wires

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Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Smallest bending radius, fixed installation	60 mm
Smallest bending radius, movable installation	120 mm

**Certificates / Approvals**

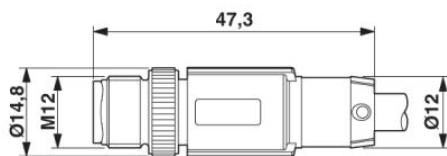


Certification

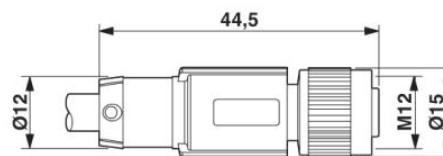
GOST

**Diagrams/Drawings**

Dimensioned drawing

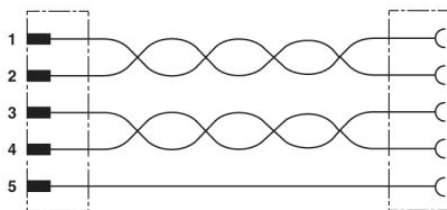


M12 x 1 male connector, straight, shielded



M12 x 1 female connector, straight, shielded

Circuit diagram

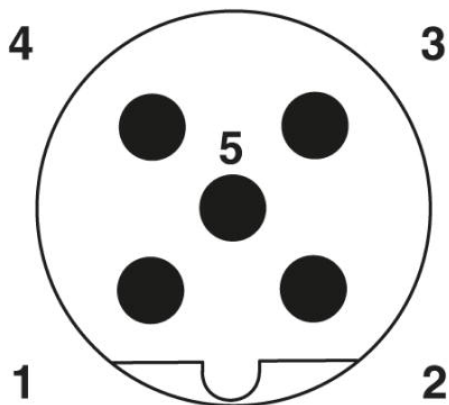


Contact assignment of the M12 connector and the M12 socket

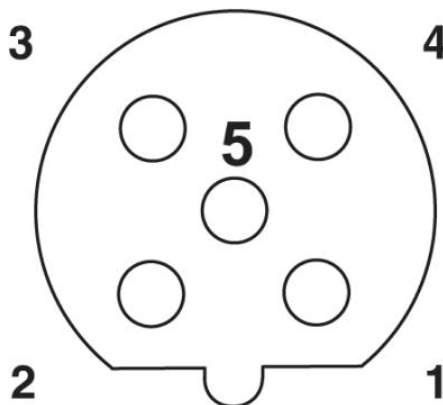
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Schematic diagram



Pin assignment M12 male connector, 5-pos., B-coded, male side



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

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