



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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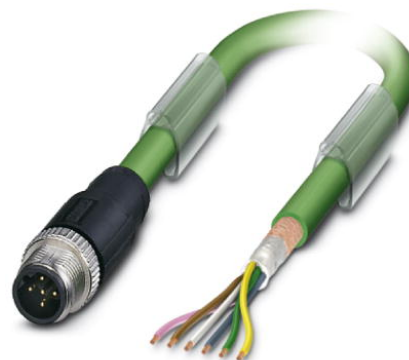
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## SAC-5P-M12MSB/ 5,0-900

Order No.: 1507078



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1507078>

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



### Commercial data

GTIN (EAN)	4017918899943
sales group	D117
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.3698 KG
Catalog page information	Page 266 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
10/25/2007



<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

Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	5 m
Stripping length of the free conductor end	50 mm
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	$\geq 100$
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)
Status display	No

#### Conductor data

Cable type	INTERBUS
Cable type (abbreviation)	900
Conductor cross section	$0.25 \text{ mm}^2$
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	$> 5 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	$\leq 159.8 \text{ m}\Omega/\text{m}$
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

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

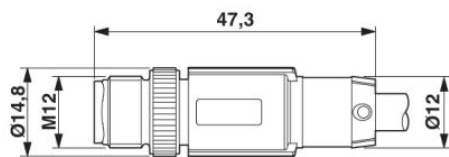


## Certification

GOST

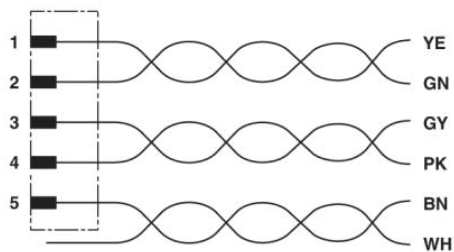
## Diagrams/Drawings

## Dimensioned drawing



M12 x 1 male connector, straight, shielded

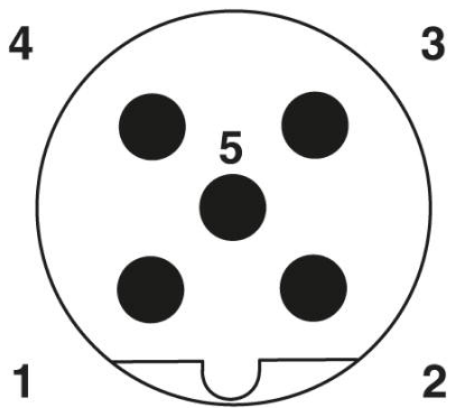
### Circuit diagram



### Contact assignment of the M12 plug

Schematic diagram

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



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