



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!



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SAC-5P-MSB/10,0-900 SCO

Order No.: 1517893

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1517893>

Bus system cable, INTERBUS, 5-position, PUR, halogen-free, Green
RAL 6017, shielded, Plug, straight M12-SPEEDCON, B-coded,
on Free conductor end, Cable length: 10 m

**Commercial data**

| | |
|--------------------------|--------------------|
| GTIN (EAN) | 4017918968014 |
| sales group | D117 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Weight/Piece | 0.7042 KG |
| Catalog page information | Page 266 (PC-2009) |

Product notes

WEEE/RoHS-compliant since:
07/28/2006



[http://
www.download.phoenixcontact.com](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 | $\leq 5 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Length of cable | 10 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 |
| 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 |

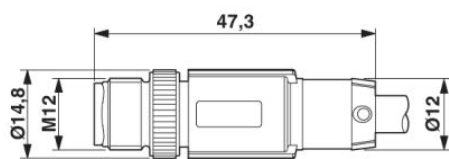
Conductor data

| | |
|---------------------------------|---------------------------------------|
| Cable type | INTERBUS |
| Cable type (abbreviation) | 900 |
| Conductor cross section | 0.25 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 |

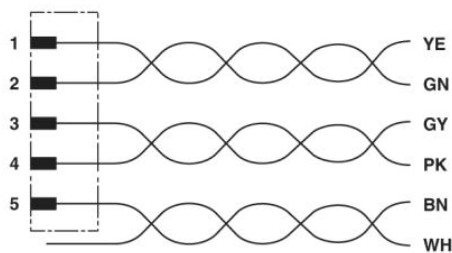
Diagrams/Drawings

Dimensioned drawing



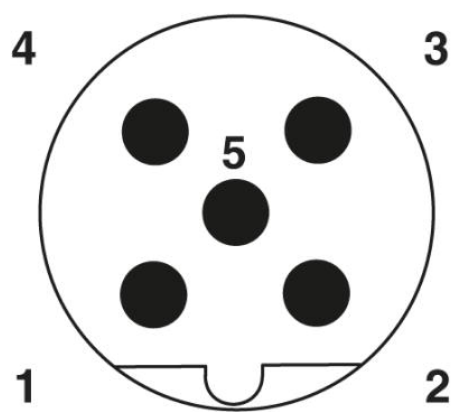
M12 x 1 male connector, straight, shielded

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram



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

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