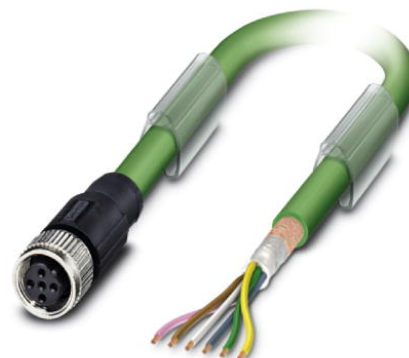


**SAC-5P-10,0-900/M12FSB**

Order No.: 1507133

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1507133>

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

**Commercial data**

|                          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               | 4017918899998      |
| sales group              | D117               |
| Pack                     | 1 pcs.             |
| Customs tariff           | 85444290           |
| Weight/Piece             | 0.719 KG           |
| Catalog page information | Page 266 (PC-2009) |

**Product notes**

WEEE/RoHS-compliant since:  
10/31/2006



<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 |

|                                            |                                                      |
|--------------------------------------------|------------------------------------------------------|
| 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                             |
| 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)              |
| 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           | $> 5 \text{ G}\Omega \cdot \text{km}$ |
| 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

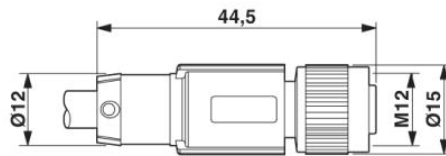


## Certification

GOST

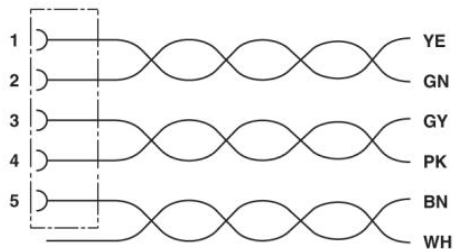
### Diagrams/Drawings

## Dimensioned drawing



M12 x 1 female connector, straight, shielded

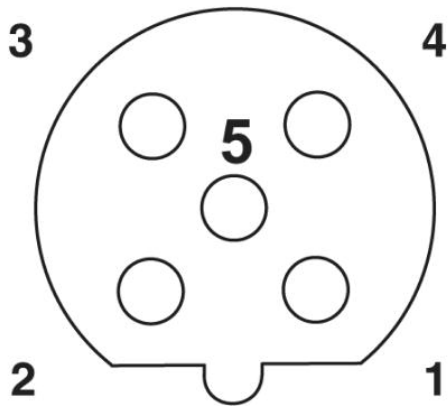
### Circuit diagram



### Contact assignment of the M12 socket

Schematic diagram

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



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