

# SAC-5P-MSB/15,0-900/FSB SCO

Order No.: 1518012



Bus system cable, INTERBUS, 5-position, PUR, halogen-free, Green RAL 6017, shielded, Plug, straight M12-SPEEDCON, B-coded, on Socket, straight M12-SPEEDCON, B-coded, Cable length: 15 m



## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 017918 968137 |
| Note                     | Made-to-order                                                                                         |
| Pack                     | 1                                                                                                     |
| Customs tariff           | 85444290                                                                                              |
| Catalog page information | Page 266 (PC-2009)                                                                                    |

## Product notes

WEEE/RoHS-compliant since:  
2006-03-02



## 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                 | 15 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                             |
| 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                                          |

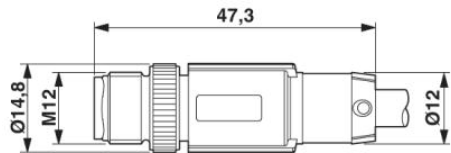
**Conductor data**

|                                 |                                      |
|---------------------------------|--------------------------------------|
| 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                 |
| Outer sheath, material          | PUR                                  |
| Conductor material              | Bare Cu litz wires                   |

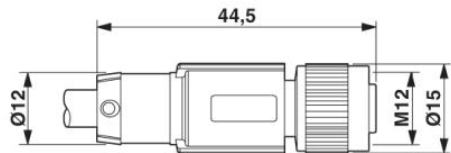
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|-----------------------------------------------|--------|
| Smallest bending radius, fixed installation   | 60 mm  |
| Smallest bending radius, movable installation | 120 mm |

**Drawings**

Dimensioned drawing

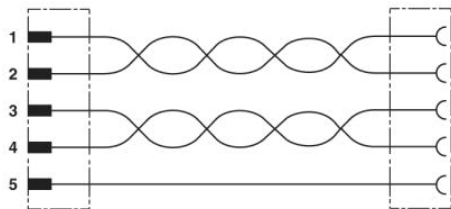


M12 x 1 male connector, straight, shielded



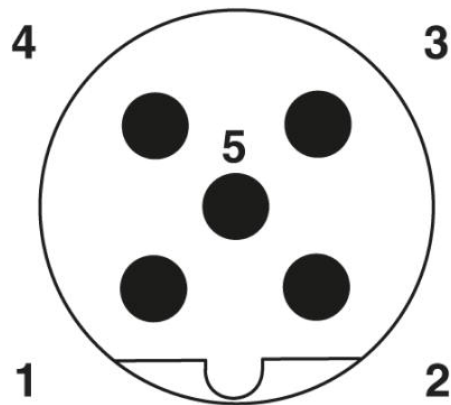
M12 x 1 female connector, straight, shielded

Circuit diagram

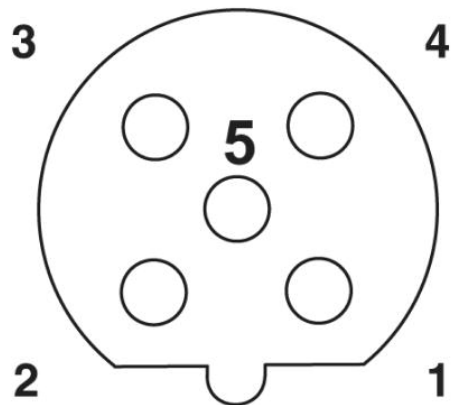


Contact assignment of the M12 connector and the M12 socket

Schematic diagram



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



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