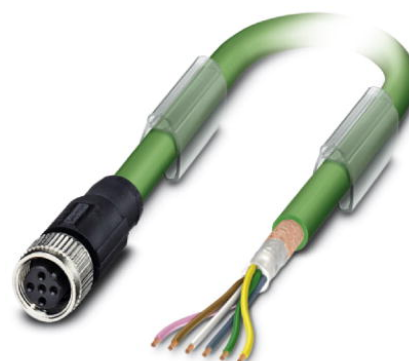


## SAC-5P- 5,0-900/M12FSB

Order No.: 1507120



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



### Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 017918 899981 |
| 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                            | 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 | ≥ 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                 |

|                                               |                    |
|-----------------------------------------------|--------------------|
| 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

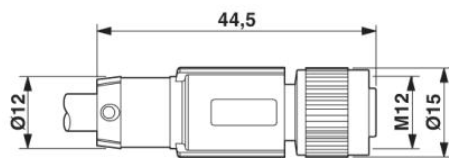


Certification

GOST

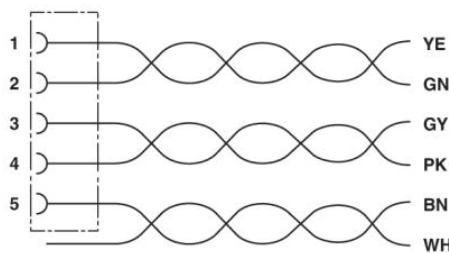
Drawings

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

