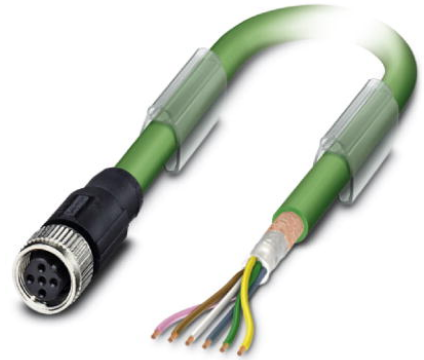


SAC-5P- 2,0-900/M12FSB

Order No.: 1507117

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1507117>

Bus system cable, INTERBUS, 5-pos., PUR green halogen-free,
shielded, free conductor end B-coded on straight socket M12, length:
2 m



| Commercial data | |
|--------------------------|--------------------|
| EAN | 4017918899974 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Weight/Piece | 0.1621 KG |
| Catalog page information | Page 266 (PC-2009) |

Product notes

WEEE/RoHS-compliant since:
10/25/2006



[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**

| | |
|-----------------------|--------------------------|
| Nominal current I_N | 4 A |
| Nominal voltage U_N | 60 V |
| Number of positions | 5 |
| Volume resistance | $\leq 5 \text{ m}\Omega$ |

| | |
|---------------------------------|---|
| Insulation resistance | ≥ 100 MΩ |
| Length of cable | 2 m |
| Ambient temperature (operation) | -25 °C ... 90 °C (plug/socket) |
| | -40 °C ... 80 °C (cable, fixed installation) |
| | -30 °C ... 70 °C (cable, flexible installation) |

General characteristics

| | |
|------------------------------------|---|
| Coding | B - inverse |
| Inflammability class acc. to UL 94 | V0 |
| 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 |

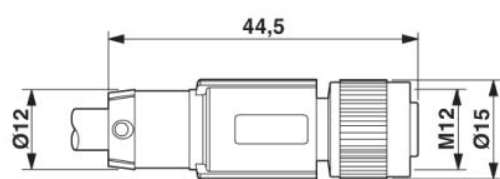
Conductor data

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

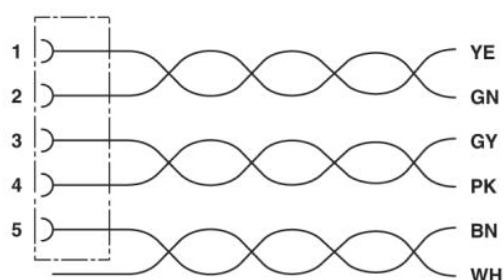
Drawings

Dimensioned drawing



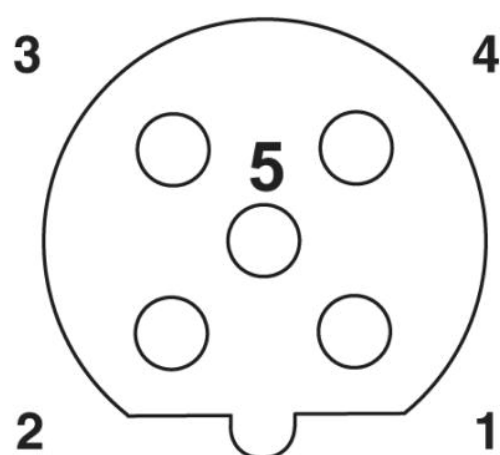
M12 x 1 female connector, straight, shielded

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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