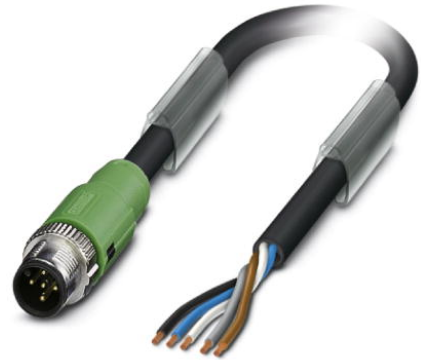


SAC-5P-MS/15,0-186 SCO

Order No.: 1518355

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1518355>

Sensor/Actuator cable, 5-position, PUR, Black-gray RAL 7021, Plug, straightLink:M12-SPEEDCON, A-coded, on Free conductor end, Cable length: 15 m

**Commercial data**

| | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 968472 |
| Note | Made-to-order |
| sales group | D112 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Catalog page information | Page 265 (AX-2011) |

Product notes

WEEE/RoHS-compliant since:
10/18/2006



<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 | ≥ 100 MΩ |
| Length of cable | 15 m |
| Stripping length of the free conductor end | 50 mm |
| Ambient temperature (operation) | -25 °C ... 90 °C (Male connector / female connector) |

General characteristics

| | |
|--------------------------|---|
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/IP68/IP69K |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Material, knurls | Zinc die-cast, nickel-plated |
| Status display | No |

Conductor data

| | |
|------------------------------------|-----------------------------------|
| Cable type | PUR/PVC black |
| Cable type (abbreviation) | 186 |
| Cable abbreviation | LiY11Y |
| Conductor cross section | 0.75 mm ² |
| AWG signal line | 18 |
| Conductor structure signal line | 42x 0.15 mm |
| Core diameter including insulation | 1.7 mm ±0.05 mm |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| | ≥ 0.76 mm (Outer cable sheath) |
| External cable diameter | 6.3 mm ± 0.2 mm |
| Wire colors | Brown, white, blue, black, gray |
| External sheath, color | Black-gray RAL 7021 |
| Insulation resistance | ≥ 1 MΩ*km (at 20°C) |
| Conductor resistance | max. 26 Ω/km (at 20°C) |
| Nominal voltage, conductor | ≤ 300 V |
| Test voltage, conductor | ≥ 3000 V |
| Overall twist | 5 wires around filler to the core |
| Outer sheath, material | PUR |

| | |
|---|--|
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Cable weight | 67 kg/km |
| Smallest bending radius, movable installation | 63 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 63 mm |
| Traversing path | 5 m |
| Traversing rate | 3 m/s |
| Acceleration | 5 m/s ² |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (cable, flexible installation) |
| Flame resistance | in accordance with DIN UL-Style 20549 |

Certificates / Approvals

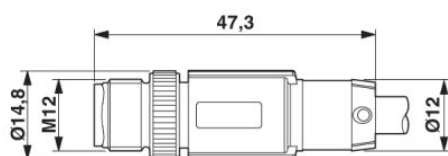


Certification

CUL Listed, UL Listed

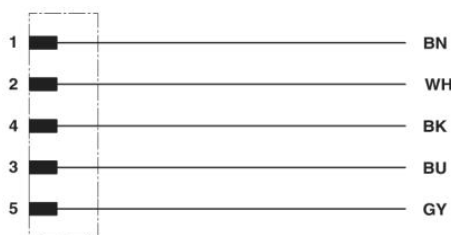
Diagrams/Drawings

Dimensioned drawing



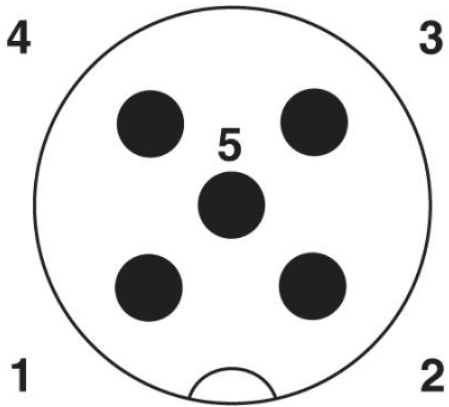
M12 x 1 male connector, straight

Circuit diagram



Contact assignment of the M12 connector

Schematic diagram



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

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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