


SAC-12P-10,0-PVC/FS SCO

Order No.: 1554885

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1554885>

Sensor/Actuator cable, 12-position, PVC, Black RAL 9005, Free conductor end, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 10 m



| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 046356 176491 |
| sales group | D118 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Catalog page information | Page 96 (PC-2009) |

Product notes

WEEE/RoHS-compliant since:
04/13/2007



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Technical data**General data**

| | |
|-----------------------|--------|
| Rated current at 40°C | 1.5 A |
| Rated voltage | 30 V |
| Number of positions | 12 |
| Volume resistance | ≤ 5 mΩ |

| | |
|--|--|
| Insulation resistance | ≥ 100 MΩ |
| Length of cable | 10 m |
| Stripping length of the free conductor end | 35 mm |
| Ambient temperature (operation) | -25 °C ... 90 °C (Male connector / female connector) |

General characteristics

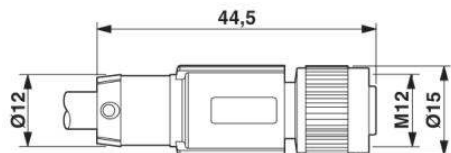
| | |
|--------------------------|---|
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/IP68/IP69K |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Material, knurls | Zinc die-cast, (nickel-plated) |
| Sealing material | NBR |
| Status display | No |

Conductor data

| | |
|---|--|
| Cable type | PVC black |
| Conductor cross section | 0.14 mm ² |
| AWG signal line | 26 |
| Conductor structure signal line | 18x 0.10 mm |
| External cable diameter | 5.90 mm |
| Wire colors | Color-coded DIN 47100 |
| External sheath, color | Black RAL 9005 |
| Conductor resistance | 142 Ω/m |
| Overall twist | Wires twisted in layers |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Smallest bending radius, movable installation | 88.5 mm |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

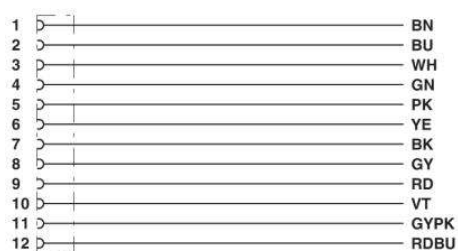
Diagrams/Drawings

Dimensioned drawing



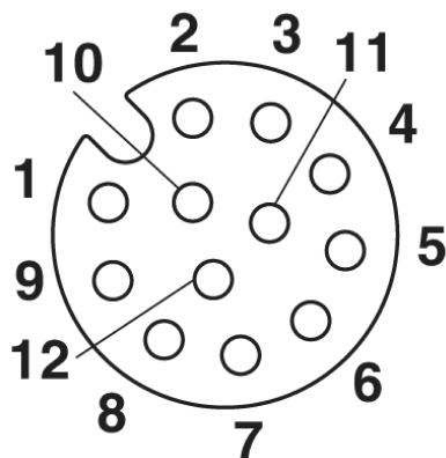
M12-SPEEDCON socket, straight

Circuit diagram



Contact assignment of the M12 socket

Schematic diagram



Pin assignment M12, 12-pos., female side view

Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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