

SAC-4P- 5,0-511/M12FS FB

Order No.: 1552447

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1552447>Sensor/actuator cable, 4-pos., PVC black, FDA listed, free conductor
end on straight M12 socket, length: 5 m**Commercial data**

| | |
|--------------------------|--------------------|
| EAN | 4046356155861 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Weight/Piece | 0.2008 KG |
| Catalog page information | Page 147 (PC-2009) |

Product notesWEEE/RoHS-compliant since:
02/13/2007

<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 | 250 V |
| Number of positions | 4 |
| Volume resistance | $\leq 5 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |

| | |
|---------------------------------|------------------------------------------------|
| Length of cable | 5 m |
| Ambient temperature (operation) | -25 °C ... 90 °C (plug/socket) |
| | -40 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

General characteristics

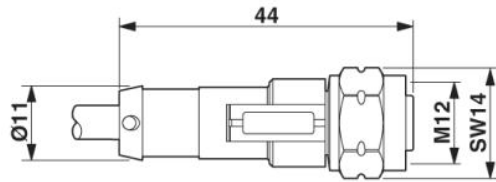
| | |
|------------------------------------|---------------------------------------------|
| Coding | A - standard |
| Inflammability class acc. to UL 94 | HB |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/IP68/IP69K |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Material, knurls | High-grade steel |
| Sealing material | NBR |
| Status display | No |

Conductor data

| | |
|------------------------------------|-----------------------------|
| Cable type | PVC black FDA |
| Cable type (abbreviation) | 511 |
| Cable abbreviation | LiYY-HF |
| Conductor cross section | 0.34 mm ² |
| AWG signal line | 22 |
| Conductor structure, signal line | 42x 0.10 mm |
| Core diameter including insulation | 1.52 mm ±0.05 mm |
| External cable diameter | 5.20 mm |
| Wire colors | Black, brown, blue, white |
| External sheath, color | Black RAL 9005 |
| Nominal voltage, conductor | 300 V |
| Test voltage, conductor | 1500 V |
| Overall twist | 4 wires, twisted |
| Outer sheath, material | Special mixture on PVC base |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |

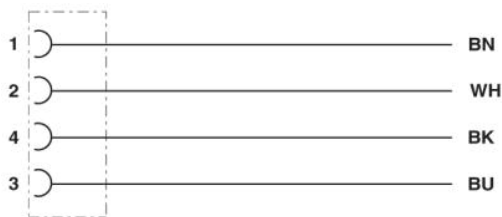
Drawings

Dimensioned drawing



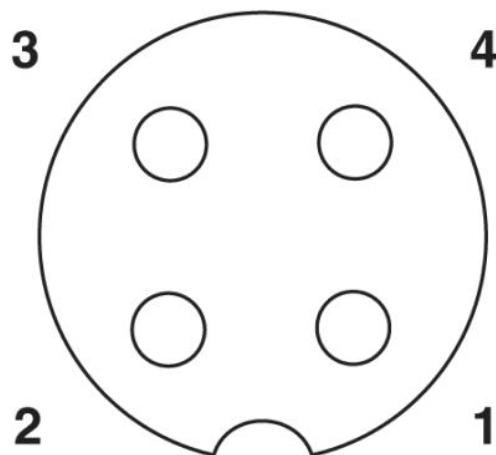
M12 x 1 female connector, straight

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

Address

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



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