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Extract from the online catalog

## SAC-4P-MS/ 0,3-186/FS SCO

Order No.: 1555680




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1555680>

Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12-SPEEDCON, A-coded, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 0.3 m



### Commercial data

GTIN (EAN)	 4 046356 173681
Note	Made-to-order
sales group	D111
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 286 (PC-2009)

### Product notes

WEEE/RoHS-compliant since: 11/30/2006



<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	250 V
Number of positions	4
Volume resistance	≤ 5 mΩ

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Insulation resistance	≥ 100 MΩ
Length of cable	0.3 m
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)
Sealing material	NBR
Status display	No

**Conductor data**

Cable type	PUR POWER 0.75 mm <sup>2</sup> black
Cable type (abbreviation)	186
Cable abbreviation	LiY11Y
Conductor cross section	0.75 mm <sup>2</sup>
AWG signal line	18
Conductor structure signal line	42x 0.15 mm
Core diameter including insulation	1.75 mm ±0.05 mm
Thickness, insulation	≥ 0.23 mm (Core insulation) ≥ 0.76 mm (Outer cable sheath)
External cable diameter	5.90 mm
Wire colors	Brown, white, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 1 MΩ*km
Conductor resistance	max. 26 Ω/km
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	4 wires, twisted
Outer sheath, material	PUR

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Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	57 kg/km
Smallest bending radius, movable installation	59 mm
Number of bending cycles	2000000
Bending radius	59 mm
Traversing path	5 m
Traversing rate	3 m/s
Acceleration	5 m/s <sup>2</sup>
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

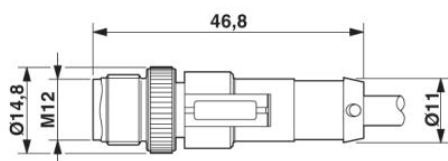


Certification

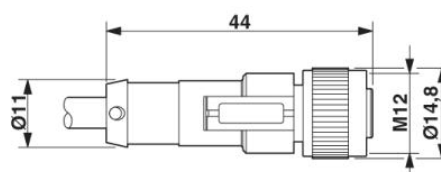
CUL Listed, UL Listed

### Diagrams/Drawings

Dimensioned drawing

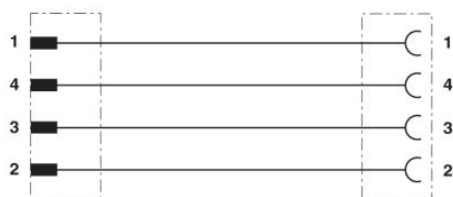


M12-SPEEDCON plug, straight



M12-SPEEDCON socket, straight

Circuit diagram

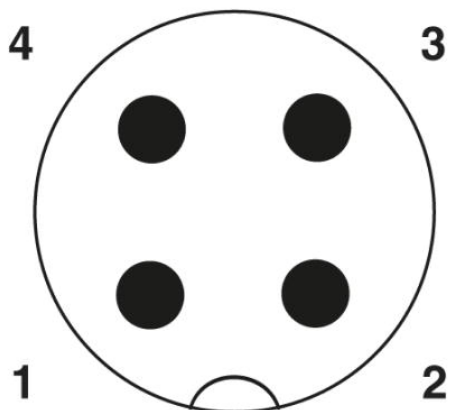


Contact assignment of the M12 plug and the M12 socket

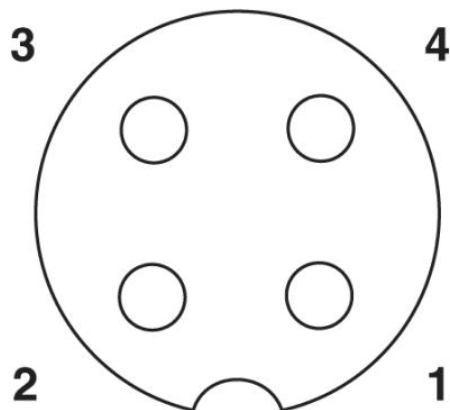
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Schematic diagram



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



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

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