

## SAC-5P-MS/ 2,0-186/FS SCO

Order No.: 1518436

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1518436>

Sensor/Actuator cable, 5-position, PUR, Black-gray RAL 7021,  
Plug, straight M12-SPEEDCON, A-coded, on Socket, straight M12-  
SPEEDCON, A-coded, Cable length: 2 m

Commercial data	
GTIN (EAN)	4017918968557
sales group	D112
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.157 KG
Catalog page information	Page 381 (AX-2009)

**Product notes**

WEEE/RoHS-compliant since:  
02/14/2007



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Technical data	
<b>General data</b>	
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	2 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/PVC 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	1.7 mm ±0.05 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.76 mm (Outer cable sheath)
External cable diameter	6.30 mm
Wire colors	Brown, white, blue, black, gray
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	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 <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

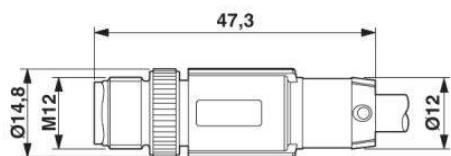


Certification

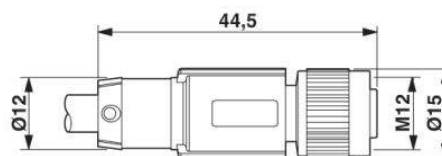
CUL Listed, UL Listed

### Diagrams/Drawings

Dimensioned drawing



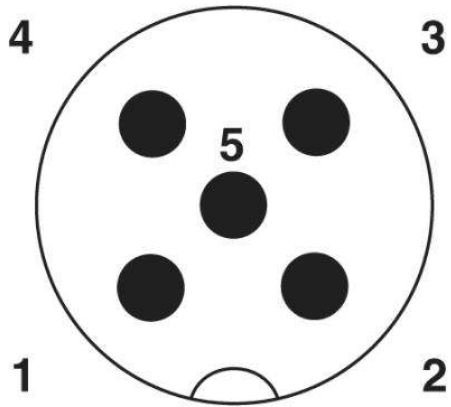
M12 x 1 male connector, straight



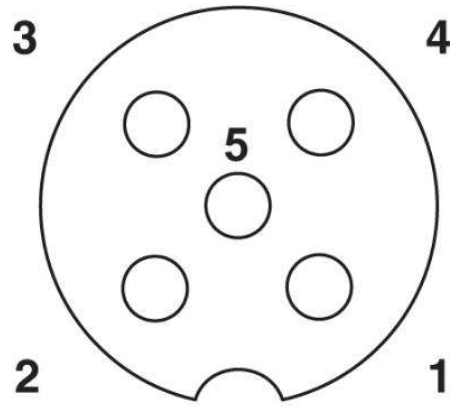
M12 x 1 female connector, straight

Schematic diagram

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



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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