

## SAC-12P-MS/ 1,5-PVC SCO

Order No.: 1554775


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Sensor/Actuator cable, 12-position, PVC, Black RAL 9005, Plug, straight M12-SPEEDCON, A-coded, on Free conductor end, Cable length: 1.5 m

**Product notes**

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

**Commercial data**

GTIN (EAN)	 4 046356 176194
sales group	D118
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 96 (PC-2009)

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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	1.5 m
Stripping length of the free conductor end	35 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

#### General characteristics

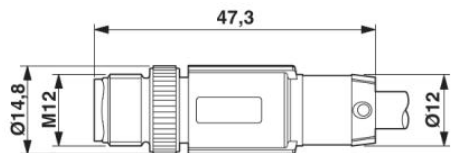
Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing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

#### Conductor data

Cable type	PVC black
Conductor cross section	0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1 mm ±0.05 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)

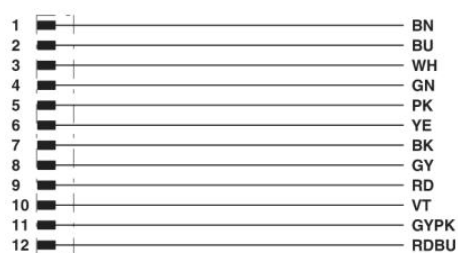
## Diagrams/Drawings

### Dimensioned drawing



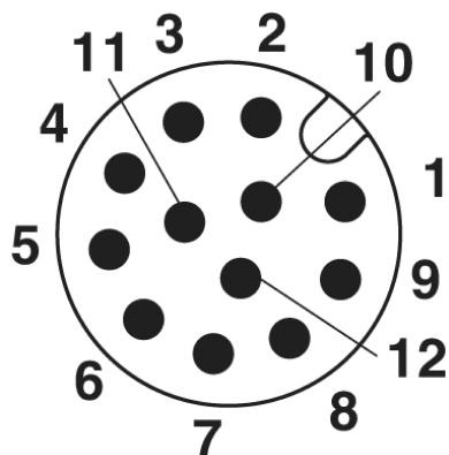
M12 SPEEDCON connector, straight

### Circuit diagram



Contact assignment of the M12 plug

### Schematic diagram



Pin assignment M12 male connector, 12-pos., male side view

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