

## SAC-12P-MS/ 3,0-PVC SCO

Order No.: 1554788



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1554788>

Sensor/actuator cable, 12-pos., black PVC, straight M12 SPEEDCON connector on the free conductor end, length: 3.0 m

### Commercial data

EAN	4046356176200
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.166 KG
Catalog page information	Page 96 (PC-2009)

### Product notes

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



<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 $I_N$	1.5 A
Nominal voltage $U_N$	30 V
Number of positions	12
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 10 \text{ M}\Omega$

Length of cable	3 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

#### General characteristics

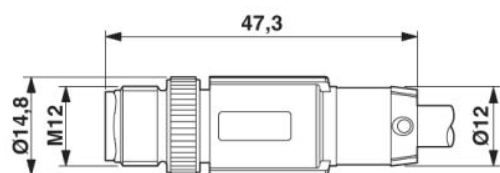
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (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
External cable diameter	5.80 mm
Wire colors	Color-coded DIN 47100
External sheath, color	black

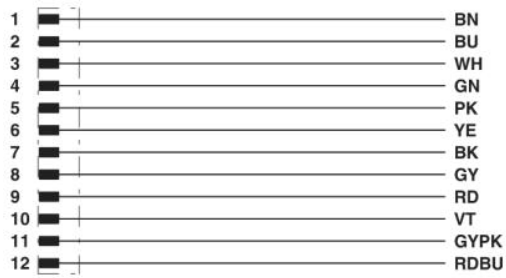
#### Drawings

Dimensioned drawing



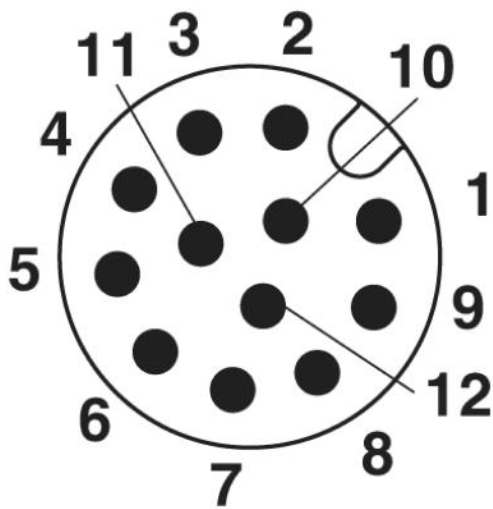
M12 SPEEDCON connector, straight

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram



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

**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>



© 2009 Phoenix Contact  
Technical modifications reserved;