

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

Order No.: 1554869

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1554869>

Sensor/Actuator cable, 12-position, PVC, Black RAL 9005, Free conductor end, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 3 m

### Commercial data

GTIN (EAN)	4046356176477
sales group	D118
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.1645 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

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	3 m
Stripping length of the free conductor end	35 mm
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)

**General characteristics**

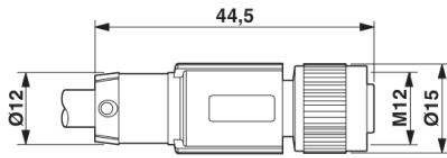
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
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	5.90 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)

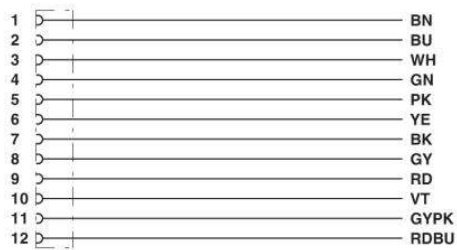
## Diagrams/Drawings

### Dimensioned drawing



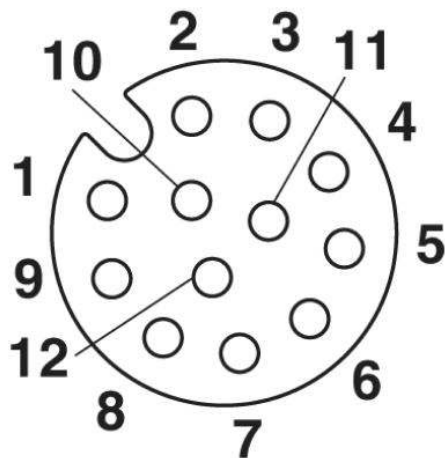
M12-SPEEDCON socket, straight

### Circuit diagram



Contact assignment of the M12 socket

### Schematic diagram



Pin assignment M12, 12-pos., female side view

**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2010 Phoenix Contact  
Technical modifications reserved;