

## 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



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Technical data	
<b>General data</b>	
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

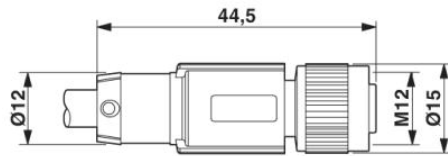
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)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

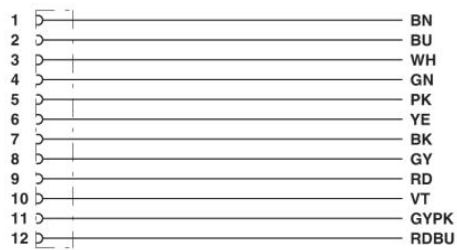
## Diagrams/Drawings

### Dimensioned drawing



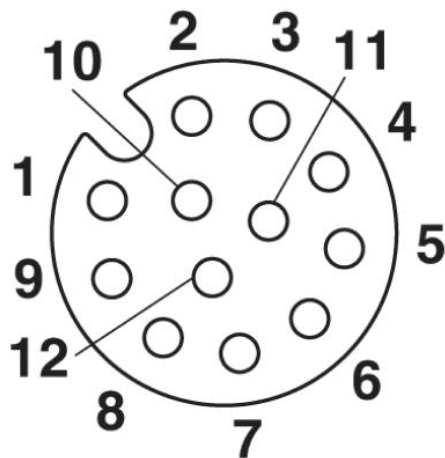
M12-SPEEDCON socket, straight

### Circuit diagram



Contact assignment of the M12 socket

### Schematic diagram



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

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