

# SAC-12P-MS/10,0-PUR SCO

Order No.: 1430569



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Sensor/actuator cable, 12-pos., PUR halogen-free black, straight M12 SPEEDCON plug, on free conductor end, length: 10 m

Commercial data	
EAN	4046356456388
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.22222 KG
Catalog page information	Page 97 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
09/29/2008



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## 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	$\geq 100 \text{ M}\Omega$

Length of cable	10 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

#### General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	V0
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Status display	No

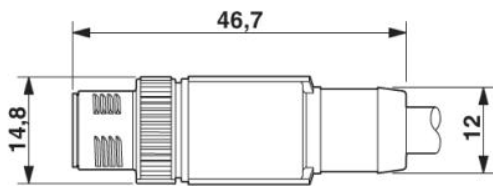
#### Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
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	7.20 mm
Wire colors	White-brown, green-yellow, gray-pink, blue-red, black-violet, gray/ pink-red/blue
External sheath, color	Black RAL 9005
Conductor resistance	142 Ω/km
Overall twist	12 wires twisted in layers
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Tin-plated Cu litz wires
Number of bending cycles	4000000
Bending radius	54 mm
Traversing path	10 m

Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Special properties	Low adhesion surface
Resistance to oil	DIN VDE 0472 Part 803, test type B
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10

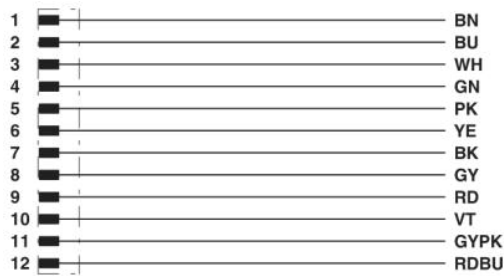
**Drawings**

Dimensioned drawing



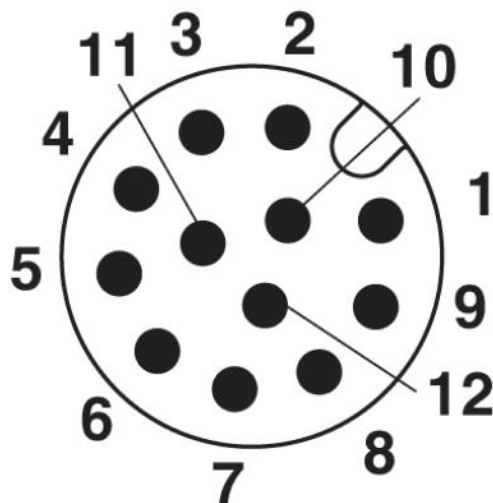
M12 SPEEDCON connector, straight, shielded

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram



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

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