

SAC-12P-MS/ 5,0-35T SH SCO

Order No.: 1430064

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1430064>Sensor/actuator cable, 12-pos., PUR/PVC black, shielded, straight
M12 SPEEDCON plug on free conductor end, length: 5 m**Commercial data**

EAN	4046356323154
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.479 KG
Catalog page information	Page 98 (PC-2009)

Product notesWEEE/RoHS-compliant since:
10/10/2007

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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	5 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-5 °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

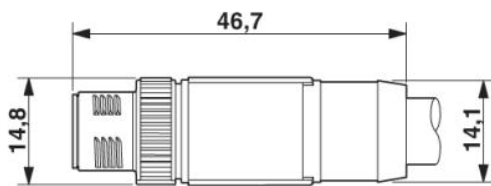
Conductor data

Cable type	PUR/PVC shielded, black
Conductor cross section	0.14 mm ²
AWG signal line	26
Conductor structure, signal line	18x 0.10 mm
Core diameter including insulation	1 mm ±0.05 mm
External cable diameter	8.50 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	Six pairs around the filler to the core
Shielding	Braided shielding made of tin-plated copper wires
Optical shield covering	85 %
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Tin-plated Cu litz wires
Number of bending cycles	2000000
Bending radius	85 mm

Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Flame resistance	DIN VDE 0472 part 804, test type B
Resistance to oil	DIN VDE 0472 Part 803, test type B
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10

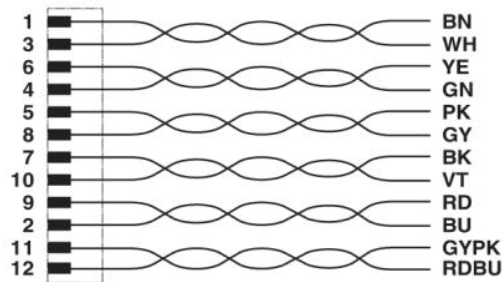
Drawings

Dimensioned drawing



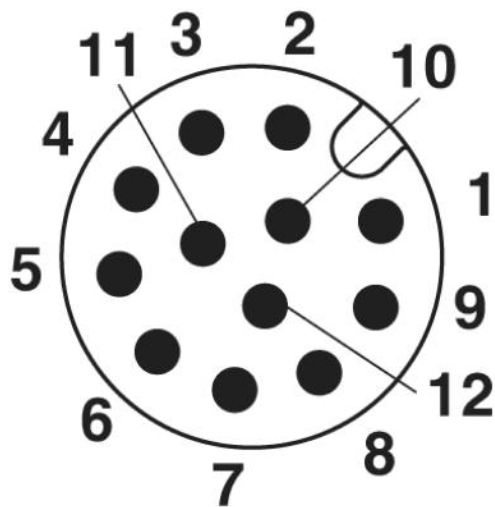
M12 SPEEDCON connector, straight, shielded

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram



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

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