

SAC-12P-MS/ 1,5-PVC SCO

Order No.: 1554775



Sensor/Actuator cable, 12-position, PVC, Black RAL 9005, Plug, straight M12-SPEEDCON, A-coded, on Free conductor end, Cable length: 1.5 m



Commercial data	
EAN	 4 046356 176194
Pack	1
Customs tariff	85444290
Catalog page information	Page 96 (PC-2009)

Product notes

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



Technical data

General data	
Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	12
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	1.5 m

Stripping length of the free conductor end	35 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

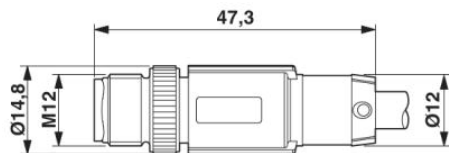
Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Status display	No

Conductor data

Cable type	PVC 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	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)

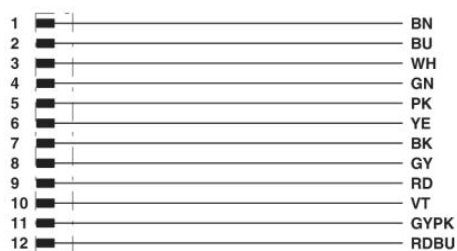
Drawings

Dimensioned drawing



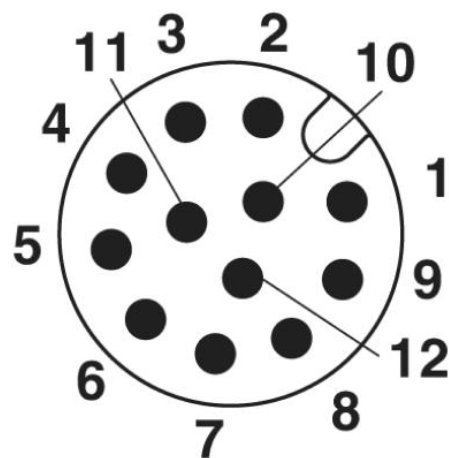
M12 SPEEDCON connector, straight

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram



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