

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

Order No.: 1430530



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



Commercial data

GTIN (EAN)	4 046356 456357
sales group	D118
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 149 (PC-2011)

Product notes

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



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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	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
Torque	0.4 Nm (M12 connector)
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

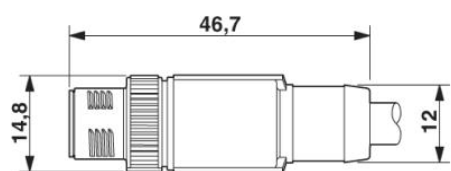
Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Conductor cross section	0.14 mm 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	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 ²
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -20 °C ... 80 °C (cable, flexible installation)
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

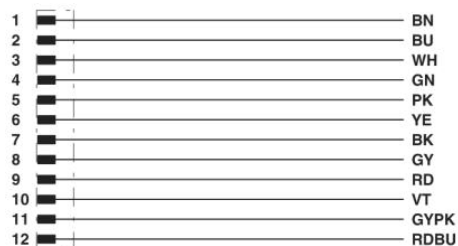
Diagrams/Drawings

Dimensioned drawing



M12 SPEEDCON connector, straight, shielded

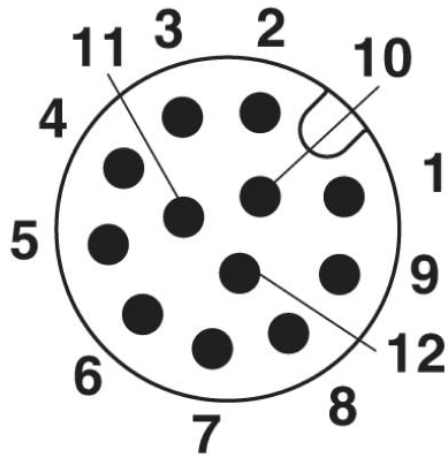
Circuit diagram



Contact assignment of the M12 plug

Schematic diagram

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



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