

SAC-5P-MS/ 2,0-186 SCO

Order No.: 1518326



Sensor/Actuator cable, 5-position, PUR, Black-gray RAL 7021, Plug, straight M12-SPEEDCON, A-coded, on Free conductor end, Cable length: 2 m



Product notes

WEEE/RoHS-compliant since:
2006-10-18



Commercial data

EAN	 4 017918 968441
Pack	1
Customs tariff	85444290
Catalog page information	Page 381 (AX-2009)

Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	2 m

Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuSn
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	PUR/PVC black
Cable type (abbreviation)	186
Cable abbreviation	LiY11Y
Conductor cross section	0.75 mm ²
AWG signal line	18
Conductor structure signal line	42x 0.15 mm
Core diameter including insulation	1.7 mm ±0.05 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.76 mm (Outer cable sheath)
External cable diameter	6.30 mm
Wire colors	Brown, white, blue, black, gray
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 1 MΩ*km
Conductor resistance	max. 26 Ω/km
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	5 wires around filler to the core
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

Cable weight	67 kg/km
Smallest bending radius, movable installation	63 mm
Number of bending cycles	2000000
Bending radius	63 mm
Traversing path	5 m
Traversing rate	3 m/s
Acceleration	5 m/s ²
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)
Flame resistance	in accordance with DIN UL-Style 20549

Certificates

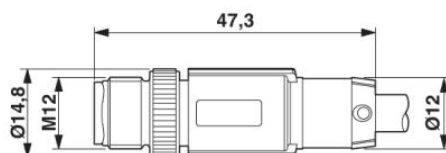


Certification

CUL Listed, UL Listed

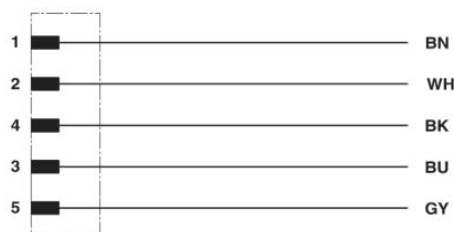
Drawings

Dimensioned drawing



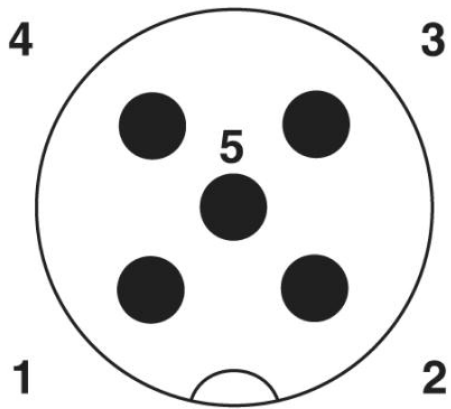
M12 x 1 male connector, straight

Circuit diagram



Contact assignment of the M12 connector

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side