

SAC-5P-M12MS/5,6-PUR/M12FS SH

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Order No.: 1524718



Sensor/Actuator cable, 5-position, PUR, halogen-free, Black-gray RAL 7021, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 5.6 m

Commercial data

EAN	 4 017918 949310
Note	Made-to-order
Pack	5
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
2006-03-02



Technical data

General data

Rated current at 40°C	4 A
Number of positions	5
Volume resistance	$\leq 5 \text{ m}\Omega$
Length of cable	5.6 m

General characteristics

Coding	A - standard
Degree of protection	IP67
Insertion/withdrawal cycles	≥ 100
Contact material	CuSn
Contact surface material	Ni/Au
Status display	No

Conductor data

Cable type	PUR halogen-free black shielded
Cable type (abbreviation)	170
Cable abbreviation	Li9Y-V1-C-V1-11Y
UL AWM Style	20549
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.27 mm $\pm$ 0.02 mm
Thickness, insulation	Approx. 0.21 mm (Core insulation)
External cable diameter	5.9 mm $\pm$ 0.2 mm
Wire colors	Brown, white, blue, black, gray
External sheath, color	Black-gray RAL 7021
Insulation resistance	$\geq 100 \text{ G}\Omega\cdot\text{km}$
Conductor resistance	max. 58 Ω/km
Nominal voltage, conductor	300 V
Test voltage, conductor	1500 V (50 Hz, 5 minutes)
Overall twist	5 wires around filler to the core
Shielding	Tinned copper braided shield
Optical shield covering	85 %
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	48.5 kg/km
Smallest bending radius, fixed installation	25 mm
Smallest bending radius, movable installation	40 mm
Number of bending cycles	5000000
Bending radius	59 mm

Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
	In accordance with UL FT-2
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant

Certificates

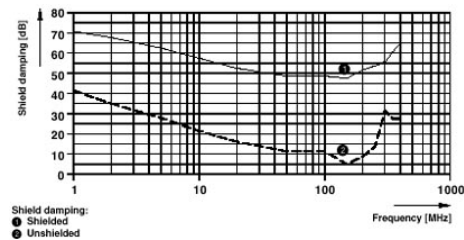


Certification

CUL Listed, UL Listed

Drawings

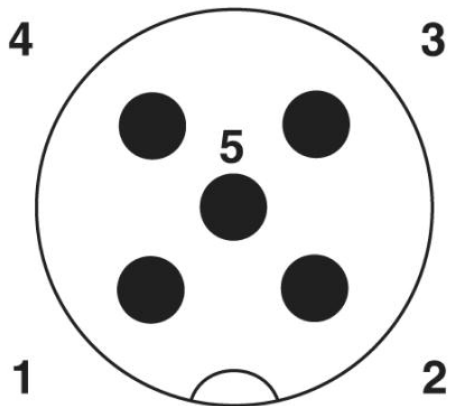
Diagram



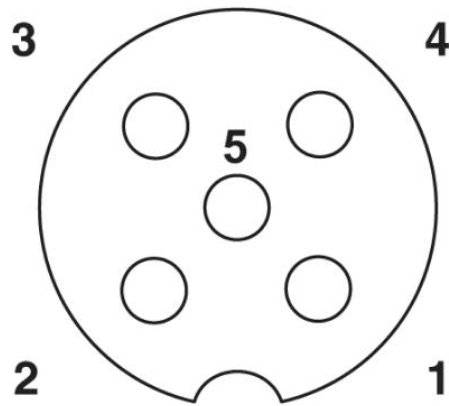
Dimensioned drawing



Schematic diagram



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



Pin assignment M12 socket, 5-pos., A-coded, socket side view