

SAC-5P-M12MS/ 6,0-PUR/M12FS SH

Order No.: 1517356



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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: 6 m

Commercial data

GTIN (EAN)	4017918932886
Note	Made-to-order
sales group	D117
Pack	5 pcs.
Customs tariff	85444290
Weight/Piece	0.33913 KG

Product notes

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



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Technical data

General data

Rated current at 40°C	4 A
Number of positions	5
Volume resistance	≤ 5 mΩ
Length of cable	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)	PUR
Cable abbreviation	Li9Y-V1-C-V1-11Y
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) Approx. 0.8 mm (Outer cable sheath)
External cable diameter	5.90 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	3000 V
Overall twist	5 wires around filler to the core
Shielding	Braided copper wires
Optical shield covering	85 %
Outer sheath, material	PUR
Material, filler	PE
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	48 kg/km
Smallest bending radius, fixed installation	59 mm
Smallest bending radius, movable installation	59 mm
Number of bending cycles	4000000

Bending radius	59 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) -25 °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
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 / Approvals

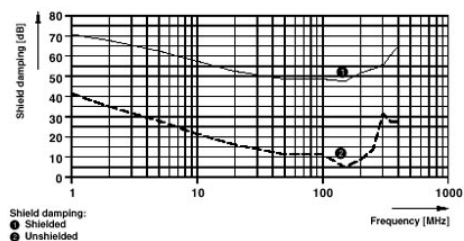


Certification

CUL Listed, UL Listed

Diagrams/Drawings

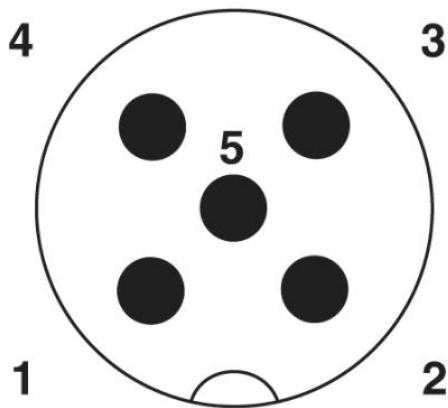
Diagram



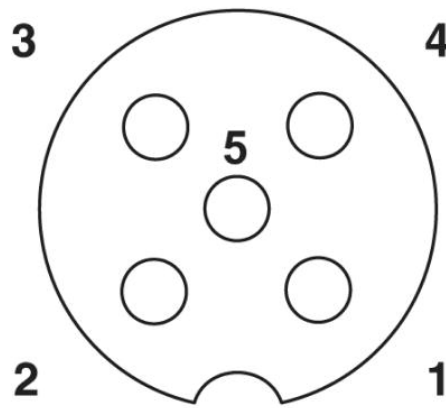
Dimensioned drawing



Schematic diagram



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



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

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