

SAC-5P-M12MS/1,5-PUR BK SO - Sensor/actuator cable



1541717

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Sensor/actuator cable, PUR/PVC, black-gray RAL 7021, Plug straight M12, coding: A, on free cable end, cable length: 1.5 m

Commercial data

Item number	1541717
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	AF1CDA
GTIN	4046356091107
Weight per piece (including packing)	93.92 g
Weight per piece (excluding packing)	93.92 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable
Shielded	no

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connector

Connection 1

Type	Plug straight M12
Coding type	A

Connection 2

Type	free cable end
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Cable/line

Cable length	1.5 m
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PUR/PVC black [350]

Cable weight	50 kg/km
UL AWM Style	20549
Number of positions	5
Shielded	no
Cable type	PUR/PVC black [350]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross-section	0.34 mm ²
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	5.90 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material, filler	PVC
Material wire insulation	PVC
Single wire, color	brown, white, blue, black, green-yellow
Thickness, insulation	approx. 0.30 mm (Core insulation) approx. 0.35 mm (Inner sheath) ≥ 0.38 mm (Outer cable sheath)
Overall twist	5 wires around filler to the core
Max. conductor resistance	max. 58 Ω/km (at 20 °C)

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Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Smallest bending radius, fixed installation	59 mm
Smallest bending radius, movable installation	59 mm
Dynamic load capacity (bending)	Max. bending cycles: 2000000, Bending radius: 59 mm, Traversing path: 5 m, Traversing rate: 3 m/s
Flame resistance	in accordance with DIN UL-Style 20549
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

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Classifications

ECLASS

ECLASS-15.0	27060311
ECLASS-13.0	27060311

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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