

## Sensor/Actuator cable - SAC-5P-M12MS/3,0-PUR/AD-2L - 1400793

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Sensor/Actuator cable, 5-position, PUR/PVC, Black RAL 9005, Plug straight M12, A-coded, on Valve connector AD (pressure switch), with 2 LEDs, connected with Z diode, Cable length: 3 m



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 511186
Weight per Piece (excluding packing)	164.3 g
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Dimensions

Length of cable	3 m
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#### Ambient conditions

Degree of protection	IP67
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#### General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	5
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101 Valve connector EN 175301-803
Status display	2 LEDs
Protective circuit/component	Z diode
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

#### Material

Inflammability class according to UL 94	HB
Contact material	CuSn

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## Technical data

### Material

Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Valve plug contact material	CuSn
Valve plug contact surface material	Ag
Valve plug contact insert material	PBT
Material housing valve plug	PBT
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	TPU (Flat gasket valve plug)

### Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
UL AWM style	20549
Conductor cross section	5x 0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.5 mm ±0.05 mm (signal line)
Wire colors	Black 1, black 2, black 3, black 4, green/yellow
Overall twist	5 cores, twisted
External sheath, color	black-gray RAL 7021
External cable diameter D	5.3 mm ±0.02 mm
Smallest bending radius, fixed installation	26.5 mm
Smallest bending radius, movable installation	53 mm
Number of bending cycles	15000000
Bending radius	50 mm
Traversing path	0.9 m
Traversing rate	5 m/s
Acceleration	30 m/s <sup>2</sup>
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	min. 20 MΩ*km
Conductor resistance	39 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 1200 V
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

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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
	Largely oil-resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

### Classifications

#### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218

#### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

#### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

### Accessories

#### Accessories

#### Mounting material

## Sensor/Actuator cable - SAC-5P-M12MS/3,0-PUR/AD-2L - 1400793

### Accessories

Screw - SAC-V-SCREW-M3-29 KNURL - 1403779

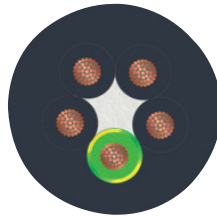


Fillister head screw with plastic knurl, M3 x 40

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### Drawings

Cable cross section



PUR halogen-free black [PUR]