

# Sensor/actuator cable - SAC-3P-M12MS/5,0-PUR/CI-1L-Z - 1400592

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Sensor/actuator cable, 3-position, PUR, black-gray RAL 7021, Plug straight M12, A-coded, on Valve connector CI (9.4 mm), with 1 LED, connected with Z diode, connected with Z diode, cable length: 5 m

As illustrated, but without SPEEDCON



## Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	
GTIN	4046356513241

## Technical data

### Dimensions

Length of cable	5 m
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-20 °C ... 85 °C (valve plug)

### General

Rated voltage	24 V AC
	24 V DC
Number of positions	3
Status display	1 LED
Protective circuit/component	Z diode
Insertion/withdrawal cycles	≥ 100

### Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR

# Sensor/actuator cable - SAC-3P-M12MS/5,0-PUR/CI-1L-Z - 1400592

## Technical data

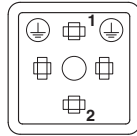
### Cable

Cable abbreviation	Li9Y11Y-HF
UL AWM style	20549
Conductor cross section	3x 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, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black-gray RAL 7021
External cable diameter D	4.5 mm ±0.2 mm
Smallest bending radius, fixed installation	22.5 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
Flame resistance	According to DIN VDE 0482
	According to DIN EN 50265-2-1
Halogen-free	in accordance with DIN VDE 0472 part 815
Other resistance	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)

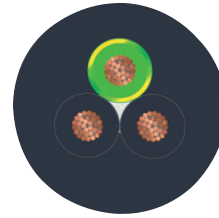
## Drawings

# Sensor/actuator cable - SAC-3P-M12MS/5,0-PUR/CI-1L-Z - 1400592

Schematic diagram



Cable cross section



PUR halogen-free black [PUR]

## Approvals

### Approvals

Approvals

CSAus

Ex Approvals

### Approval details

CSAus		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN		24 V	
Nominal current IN		4 A	

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