

## Sensor/Actuator cable - SAC-3P-MS/1,0-PUR/A-1L-Z SCO - 1400698

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Sensor/actuator cable, 3-pos, black halogen-free PUR, straight M12 SPEEDCON male plug to valve connector type A, with 1 LED and Zener diode, cable length: 0.8 m



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	25 STK
GTIN	 4 046356 509367
GTIN	4046356509367
Weight per Piece (excluding packing)	64.500 g
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Dimensions

Length of cable	1 m
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#### Ambient conditions

Degree of protection	IP65
	IP67

#### General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Coding	A - standard

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### Technical data

#### General

Status display	1 LED
Protective circuit/component	Z diode
Overvoltage category	III
Degree of pollution	3

#### Material

Flammability rating according to UL 94	HB
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#### Standards and Regulations

Flammability rating according to UL 94	HB
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#### Cable

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

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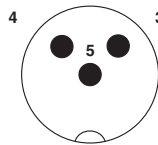
## Technical data

### Cable

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)

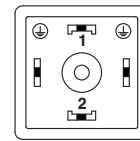
## Drawings

Schematic diagram



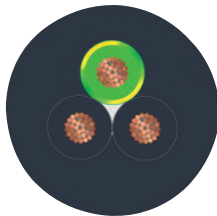
Pin assignment M12 plug, 3-pos., valve connector

Schematic diagram



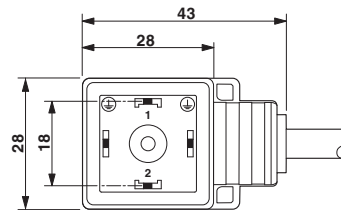
Valve connector pin assignment, type A

Cable cross section



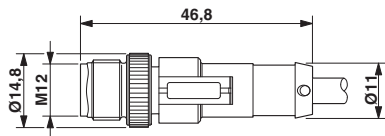
PUR halogen-free black [PUR]

Dimensional drawing



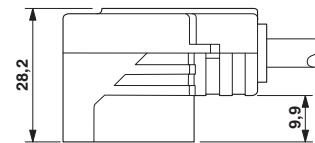
Valve connector, type A

Dimensional drawing



M12 x 1 plug, straight

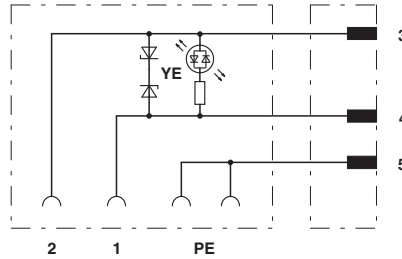
Dimensional drawing



Valve connector, type A, side view

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Circuit diagram



Contact assignment of M12 plug and valve connector

## Approvals

### Approvals

Approvals

CSA / CSAus / cCSAus

Ex Approvals

### Approval details

CSA <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/13631">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/13631</a>	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	24 V

CSAus <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/13631">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/13631</a>	
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