

## Sensor/actuator cable - SAC-5P-10,0-PUO/AD-2L OD - 1407294

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Sensor/actuator cable, 5-position, PUR halogen-free, black RAL 9005, free cable end, on Valve connector AD (pressure switch), with 2 LEDs, cable length: 10 m, for outdoor applications, With stainless steel central screw and additional silicone seal (red)

### Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust valve connector without protective circuit
- ✓ Corrosion protection for all exposed metal parts, thanks to the use of stainless steel type 1.4404
- ✓ Robust throughout: resistant to oil, UV, and ozone, withstands temperatures from -20°C to +85°C

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 774123
GTIN	4046356774123

### Technical data

#### Dimensions

Length of cable	10 m
Central screw valve connector	M3 x 29

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (valve plug)
Degree of protection	IP65
	IP66K (Observe tightening torque)
	IP67
	IP68

#### General

Rated current at 40°C	4 A
Rated voltage	24 V AC

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## Technical data

### General

	24 V DC
Number of positions	5
Insulation resistance	≥ 100 MΩ
Standards/regulations	Valve connector EN 175301-803
Status display	2 LEDs
Protective circuit/component	Unwired
Overvoltage category	III
Degree of pollution	3
Torque	0.6 Nm ... 0.8 Nm (Valve connector)
Tightening torque	0.8 Nm for IP66K

### Material

Flammability rating according to UL 94	V0
Valve plug contact material	CuSn
Valve plug contact surface material	Sn
Valve plug contact insert material	PA 6
Material housing valve plug	TPU
Sealing material	TPU (Seal molded)
	Silicon (Seal snapped in)

### Standards and Regulations

Standard designation	Valve connector
Standards/regulations	EN 175301-803
Flammability rating according to UL 94	V0

### Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUO
Cable abbreviation	Li9Y11Y
Conductor cross section	5x 0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	16x 0.20 mm
Core diameter including insulation	2 mm ±0.05 mm
Wire colors	Black 1, black 2, black 3, black 4, green/yellow
Overall twist	5 cores, twisted
External sheath, color	black RAL 9005
External cable diameter D	6.9 mm ±0.1 mm
Minimum bending radius, fixed installation	10 x D
Minimum bending radius, flexible installation	15 x D
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Tin-plated Cu litz wires

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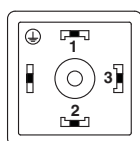
## Technical data

### Cable

Insulation resistance	70 GΩ*km
Conductor resistance	≤ 40.1 Ω/km
Nominal voltage, cable	300 V
Test voltage Core/Core	3000 V (Spark test)
Halogen-free	in accordance with DIN VDE 0472 part 815
	According to EN 50267-2-1
Resistance to oil	According to DIN EN 50306
	According to DIN EN 60811-2-1, 138 h at 100°C
Other resistance	UV resistant
	hydrolysis and microbe resistant
	Good resistance to aggressive media
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-15 °C ... 105 °C (cable, flexible installation)

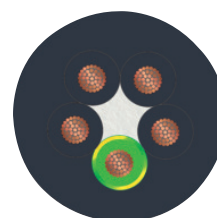
## Drawings

Schematic diagram



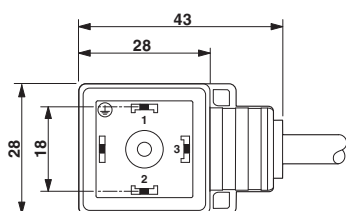
Valve plug connector pin assignment, type AD

Cable cross section



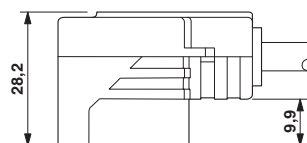
PUR halogen-free black [PUO]

Dimensional drawing



Valve connector, type AD

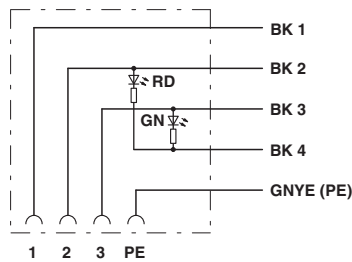
Dimensional drawing



Valve connector, type AD, side view

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Circuit diagram



Contact assignment of the valve plug

## 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 current I <sub>N</sub>	6 A		
Nominal voltage U <sub>N</sub>	24 V		

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