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## Sensor/Actuator cable - SAC-5P-10,0-PUR/AD-2L - 1435111

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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

### Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust valve connector without protective circuit
- Our standard: robust halogen-free PUR cable

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 413473

### Technical data

#### Dimensions

Length of cable	10 m
Stripping length of the free conductor end	50 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)
Degree of protection	IP65
	IP67

#### General

Rated current at 40°C	4 A
Rated voltage	24 V
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 (valve plug)

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## Technical data

### 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)

### 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)	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

# Sensor/Actuator cable - SAC-5P-10,0-PUR/AD-2L - 1435111

## Technical data

### Cable

Flame resistance	in accordance with DIN UL-Style 20549
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
eCl@ss 9.0	27060312

### 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

## Approvals

### Approvals

#### Approvals

#### EAC

# Sensor/Actuator cable - SAC-5P-10,0-PUR/AD-2L - 1435111

## Approvals

Ex Approvals

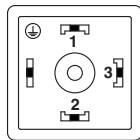
Approvals submitted

## Approval details

EAC

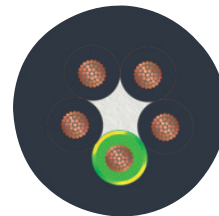
## Drawings

Schematic diagram



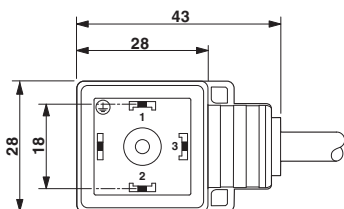
Valve plug connector pin assignment, type AD

Cable cross section



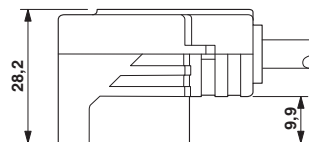
PUR halogen-free black [PUR]

Dimensional drawing



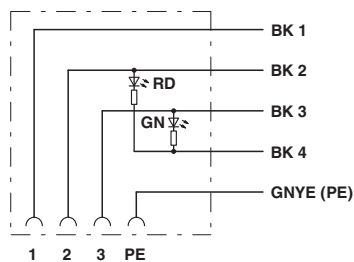
Valve connector, type AD

Dimensional drawing



Valve connector, type AD, side view

Circuit diagram



Contact assignment of the valve plug

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Product	Code	Reference	Product link
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	1435111	SAC-5P-10,0-PUR/AD-2L	<a href="#">Buy on EAN</a>