

## Sensor/actuator cable - SAC-3P- 0,3-PVC/A - 1417817

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Sensor/actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector A, cable length: 0.3 m

### Your advantages

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust valve connector without protective circuit

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	 4 055626 127101
GTIN	4055626127101

### Technical data

#### Dimensions

Length of cable	0.3 m
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#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)
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#### General

Rated current at 40°C	6 A
Rated voltage	230 V
	24 V DC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Standards/regulations	Valve connector EN 175301-803
Status display	No
Protective circuit/component	unwired

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## Technical data

### General

Overvoltage category	III
Degree of pollution	3

### 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 6.6
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

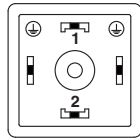
### Cable

Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LiYY
UL AWM style	2464
Conductor cross section	3x 0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	16x 0.20 mm
Core diameter including insulation	1.5 mm ±0.05 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black RAL 9005
External cable diameter D	4.8 mm ±0.2 mm
Minimum bending radius, fixed installation	5 x D
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	39 Ω/km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage, cable	1200 V
Flame resistance	DIN VDE 0482
	DIN EN 50265-2-1
Resistance to oil	largely oil-resistant
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

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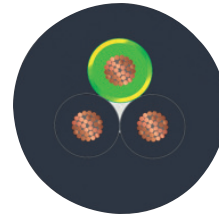
## Drawings

Schematic diagram



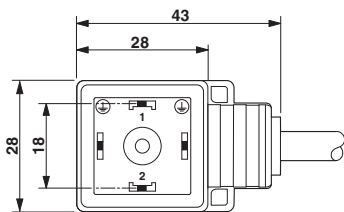
Valve connector pin assignment, type A

Cable cross section



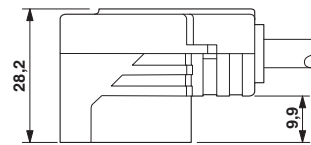
PVC black [PVC]

Dimensional drawing



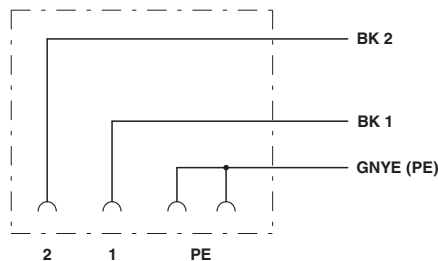
Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

Circuit diagram



Contact assignment of the valve plug

## Approvals

### Approvals

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Approvals

CSAus

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Ex Approvals

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### 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		230 V	
Nominal current IN		6 A	

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