

## Sensor/Actuator cable - SAC-3P-10,0-PVC/A-1L-Z - 1439492

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Sensor/Actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector A, with 1 LED, connected with Z diode, Cable length: 10 m

### Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics

### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	380.000 g
Custom tariff number	85444290
Country of origin	Poland

### 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	3

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### Technical data

#### General

Insulation resistance	$\geq 100 \text{ M}\Omega$
Standards/regulations	Valve connector EN 175301-803
Status display	1 LED
Protective circuit/component	Z diode
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 66
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	$3 \times 0.5 \text{ mm}^2$
AWG signal line	20
Conductor structure signal line	$16 \times 0.20 \text{ mm}$
Core diameter including insulation	$1.5 \text{ mm} \pm 0.05 \text{ mm}$
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black RAL 9005
External cable diameter D	$4.8 \text{ mm} \pm 0.2 \text{ mm}$
Minimum bending radius, fixed installation	$5 \times D$
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$39 \text{ }\Omega/\text{km}$ (at $20 \text{ }^\circ\text{C}$ )

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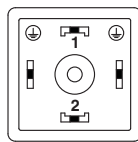
## Technical data

### Cable

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)

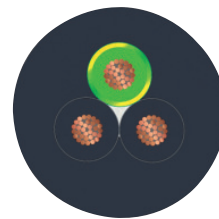
## Drawings

Schematic diagram



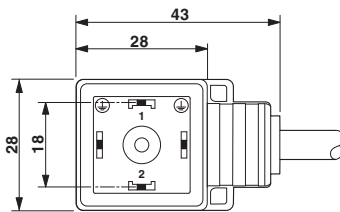
Valve connector pin assignment, type A

Cable cross section



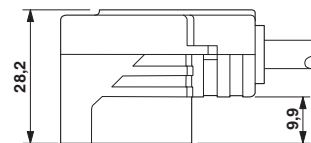
PVC black [PVC]

Dimensional drawing



Valve connector, type A

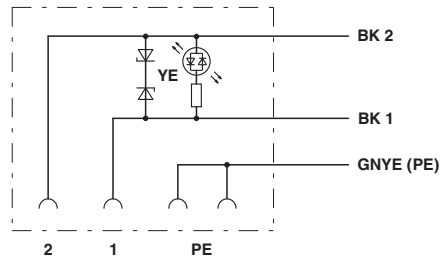
Dimensional drawing



Valve connector, type A, side view

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Circuit diagram



Contact assignment of the valve plug

### 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	27060311

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

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CSA / CSAus / cCSAus

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### Approvals

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Ex Approvals

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### Approval details

CSA  <a href="http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing-13631">http://www.csagroup.org/us/en/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/us/en/services/testing-and-certification/certified-product-listing-13631">http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing 13631</a>	
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cCSAus <a href="http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing">http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing</a>	
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### Accessories

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Mounting material

Screw - SAC-V-SCREW-M3-29 KNURL - 1403779



Fillister head screw with plastic knurl, M3 x 40