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Especialistas en Automatización

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## Sensor/Actuator cable - SAC-3P- 5,0-PVC/BI-1L-Z - 1415930

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Sensor/Actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector BI (11 mm), with 1 LED, connected with Z diode, Cable length: 5 m

### Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust valve connector with Zener diode as protective circuit
- Convenient: increased machine availability thanks to quick and easy diagnostics

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 054957

### Technical data

#### Dimensions

Length of cable	5 m
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#### 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
Insulation resistance	≥ 100 MΩ
Status display	1 LED
Protective circuit/component	Z diode
Overvoltage category	III
Degree of pollution	3

#### Material

Flammability rating according to UL 94	V0
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## Technical data

### Material

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

Flammability rating according to UL 94	V0
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### 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	Almost oil-resistant
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

## Classifications

### eCl@ss

eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 8.0	27279218

# Sensor/Actuator cable - SAC-3P- 5,0-PVC/BI-1L-Z - 1415930

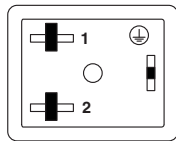
## Classifications

ETIM

ETIM 5.0	EC001855
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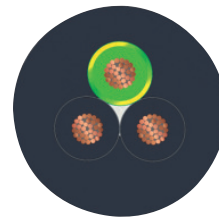
## Drawings

Schematic diagram



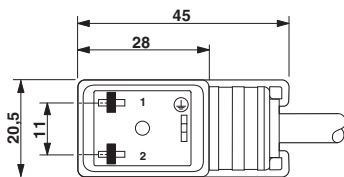
Valve connector pin assignment, type BI

Cable cross section



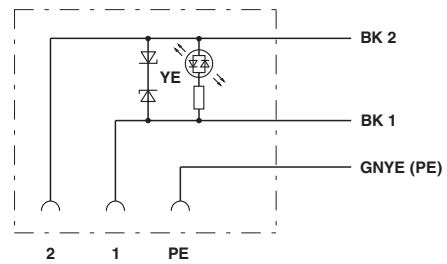
PVC black [PVC]

Dimensional drawing



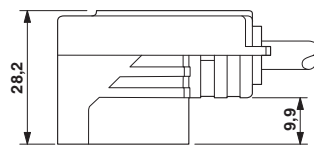
Valve connector, type BI

Circuit diagram



Contact assignment of the valve plug

Dimensional drawing



Valve connector, type BI, side view

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