

Sensor/actuator cable - SAC-2P- 5,0-PVC/BI-1L-Z 180 - 1413091

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

Your advantages

- ✓ 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
- ✓ Our standard: robust halogen-free PUR cable



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 984300
GTIN	4046356984300

Technical data

Dimensions

Length of cable	5 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	4 A
Rated voltage	24 V AC
	24 V DC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Status display	1 LED

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Technical data

General

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 6.6
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	2x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	16x 0.20 mm
Core diameter including insulation	1.5 mm ±0.05 mm
Wire colors	brown, blue
External sheath, color	black RAL 9005
External cable diameter D	4.8 mm ±0.2 mm
Minimum bending radius, fixed installation	5 x D
Cable weight	34.9 kg/km
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	according to DIN VDE 0482
	According to 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)

Environmental Product Compliance

Sensor/actuator cable - SAC-2P- 5,0-PVC/BI-1L-Z 180 - 1413091

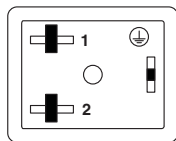
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

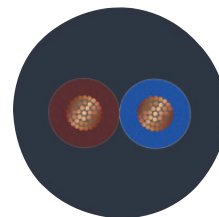
Drawings

Schematic diagram



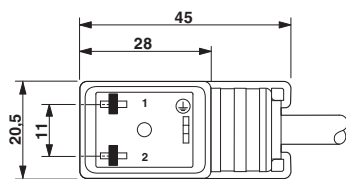
Valve connector pin assignment, type BI

Cable cross section



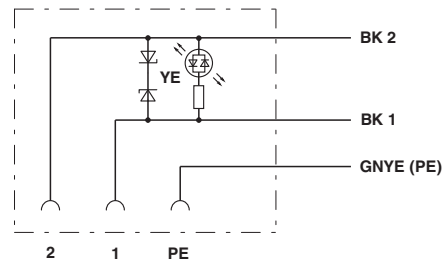
PVC black [PVC]

Dimensional drawing



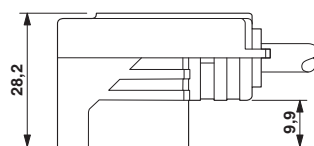
Valve connector, type BI

Circuit diagram



Contact assignment of the valve plug

Dimensional drawing



Valve connector, type BI, side view

Approvals

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CSAus

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Approvals

Ex Approvals

Approval details

CSAus		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		24 V	
Nominal current IN		6 A	

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