

Sensor/actuator cable - SAC-3P-3,0-534/A-1L-Z - 1445143

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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 580946
GTIN	4046356580946

Technical data

Dimensions

Length of cable	3 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 AC
	24 V DC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Status display	1 LED
Protective circuit/component	Z diode
Overvoltage category	III
Degree of pollution	3

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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 6.6
Material housing valve plug	TPU
Sealing material	TPU (Seal molded)

Standards and Regulations

Flammability rating according to UL 94	V0
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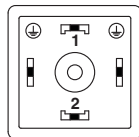
Cable

Cable type	PVC, 0.75 mm ² , black
Cable type (abbreviation)	534
Conductor cross section	3x 0.75 mm ² (Signal line)
AWG signal line	18
Conductor structure signal line	24x 0.20 mm
Core diameter including insulation	1.7 mm ±0.1 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black
External cable diameter D	5.3 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	min. 20 MΩ*km (at 20 °C)
Conductor resistance	26 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
	in acc. to UL VW1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Drawings

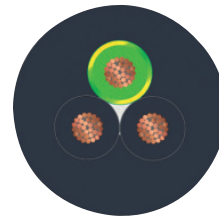
Sensor/actuator cable - SAC-3P-3,0-534/A-1L-Z - 1445143

Schematic diagram



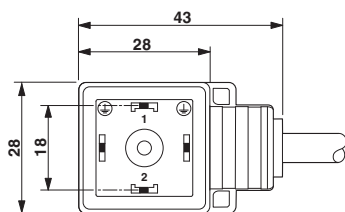
Valve connector pin assignment, type A

Cable cross section



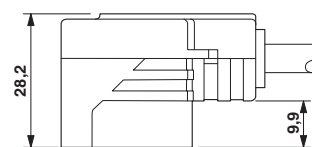
PVC [534]

Dimensional drawing



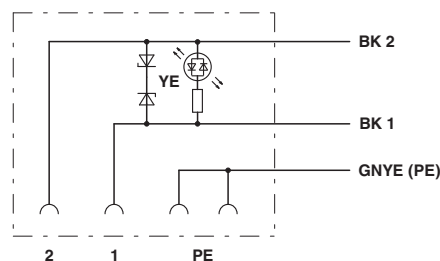
Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

Circuit diagram



Contact assignment of the valve plug

Mouser Electronics

Authorized Distributor

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