

Sensor/actuator cable - SAC-3P- 5,0-500/A-1L-Z - 1438794

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Sensor/actuator cable, 3-position, PVC, gray RAL 7001, free cable end, on Valve connector A, with 1 LED, connected with Z diode, cable length: 5 m

as in the figure, but with a gray conductor



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 488839
GTIN	4046356488839

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 AC
	24 V DC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Standards/regulations	Valve connector EN 175301-803
Status display	1 LED
Protective circuit/component	Z diode
Overvoltage category	III

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Technical data

General

Degree of pollution	3
Torque	0.6 Nm (Valve connector)

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 gray
Cable type (abbreviation)	500
Cable abbreviation	LiYY
Conductor cross section	3x 0.5 mm ² (Signal line)
AWG signal line	20
Conductor structure signal line	16x 0.20 mm
Core diameter including insulation	1.5 mm ±0.05 mm (Signal line)
Wire colors	black 1, black 2, green/yellow
Overall twist	Wires twisted in layers
External sheath, color	gray RAL 7001
External cable diameter D	4.8 mm ±0.2 mm
Smallest bending radius, fixed installation	24 mm
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	min. 20 MΩ*km
Conductor resistance	39 Ω/km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage, cable	1200 V
Flame resistance	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

China RoHS	Environmentally Friendly Use Period = 50
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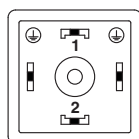
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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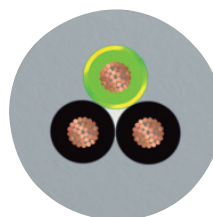
Drawings

Schematic diagram



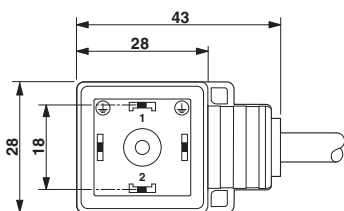
Valve connector pin assignment, type A

Cable cross section



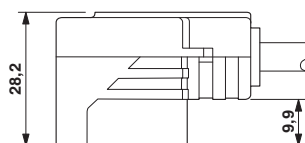
PVC gray [500]

Dimensional drawing



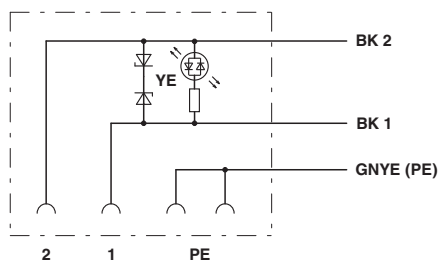
Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

Circuit diagram



Contact assignment of the valve plug

Approvals

Approvals

Approvals


CSA / CSAus / cCSAus


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Approvals

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		24 V	
Nominal current IN		4 A	

CSAus		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		24 V	
Nominal current IN		4 A	

cCSAus			
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