

Sensor/actuator cable - SAC-3P- 5,0-PVC/A-1L-Z - 1439502


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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: 5 m



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 489386
GTIN	4046356489386

Technical data

Dimensions

Length of cable	5 m
Stripping length of the free conductor end	50 mm
Central screw valve connector	M3 x 29

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
Color handle area	black
Insulation resistance	≥ 100 MΩ
Standards/regulations	Valve connector EN 175301-803
Status display	1 LED
Protective circuit/component	Z diode

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Technical data

General

Pulse power W_{max}	40 W (at 100 μ s square-wave pulse)
Reverse voltage	50 V
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

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	3x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	16x 0.20 mm
Core diameter including insulation	1.5 mm \pm 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 \pm 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	\geq 20 M Ω *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	largely oil-resistant

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Technical data

Cable

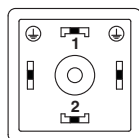
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

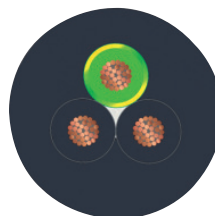
Drawings

Schematic diagram



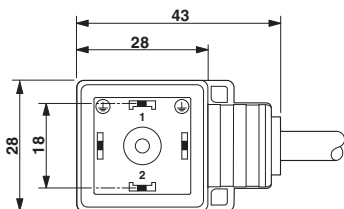
Valve connector pin assignment, type A

Cable cross section

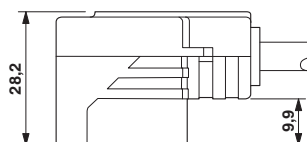


PVC black [PVC]

Dimensional drawing



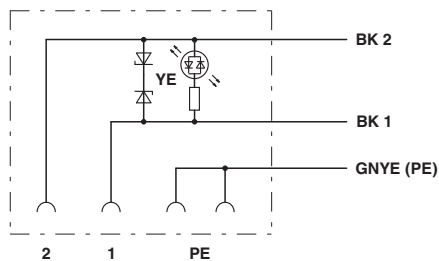
Dimensional drawing



Valve connector, type A, side view

Valve connector, type A

Circuit diagram



Contact assignment of the valve plug

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Approvals


Approvals


Approvals


CSA / CSAus / cCSAus

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		http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing	
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