Sensor/Actuator cable - SAC-3P-1,5-PVC/A-1L-R - 1415916

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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 Damping diode, Cable length: 1.5 m

Product Features

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

Key commercial data

Packing unit	1 pc
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	1.5 m

Ambient conditions

Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	2 A
Rated voltage	24 V DC
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ

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Technical data

General

Standards/regulations	Valve connector EN 175301-803
Status display	1 LED
Protective circuit/component	Damping diode
Surge voltage category	III
Pollution degree	3

Material

Inflammability class according to UL 94	V0
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)

Cable

Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LiYY
UL AWM style	2464
Conductor cross section	3x 0.5 mm²
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

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Technical data

Cable

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

Classifications

eCl@ss

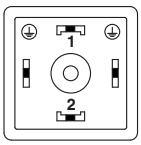
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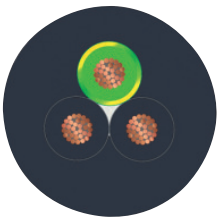
Drawings

Schematic diagram



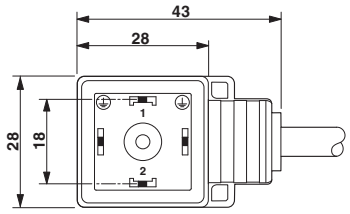
Valve connector pin assignment, type A

Cable cross section



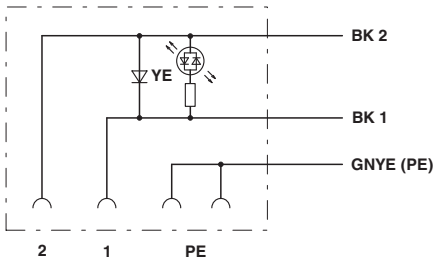
PVC black [PVC]

Dimensional drawing



Valve connector, type A

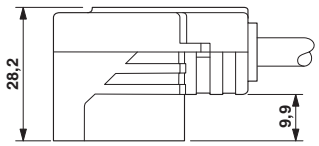
Circuit diagram



Contact assignment of the valve plug

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Dimensional drawing



Valve connector, type A, side view

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