

Sensor/actuator cable - SAC-3P- 3,0-PVC/CI-1L-Z - 1415939

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Sensor/actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector CI (9.4 mm), with 1 LED, connected with Z diode, cable length: 3 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

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 055145
GTIN	4055626055145

Technical data

Dimensions

Length of cable	3 m
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

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Technical data

General

Status display	1 LED
Protective circuit/component	Z diode
Pulse power W_{max}	40 W (at 100 μ s square-wave pulse)
Terminal voltage	70 V (at 2 mA constant current)
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

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	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

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Technical data

Cable

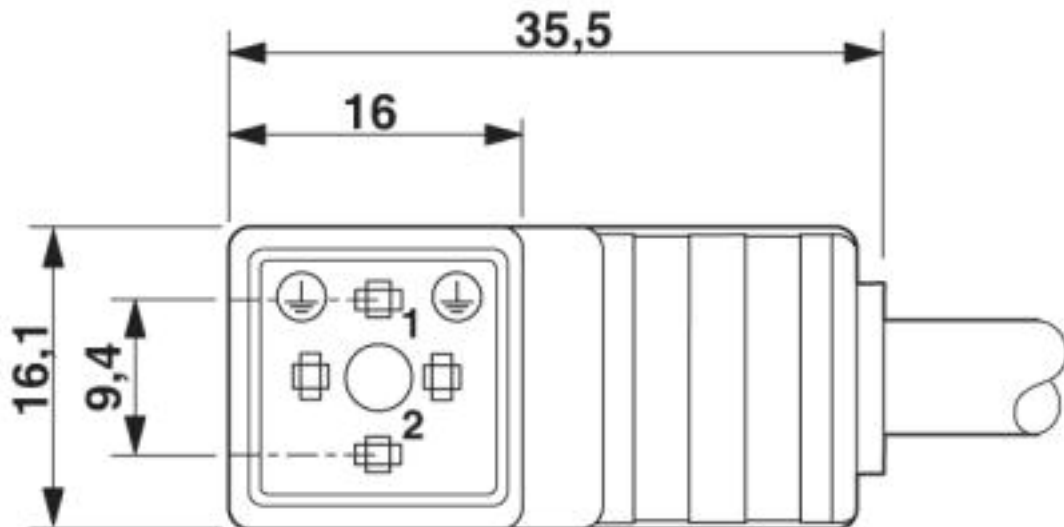
Resistance to oil	largely oil-resistant
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Environmental Product Compliance

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

Drawings

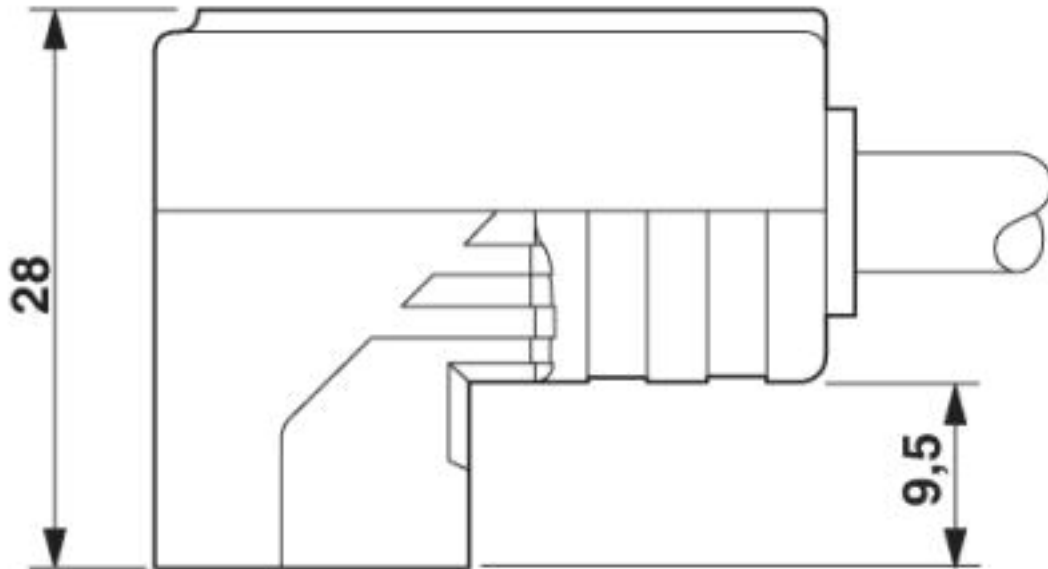
Dimensional drawing



Valve connector, type CI

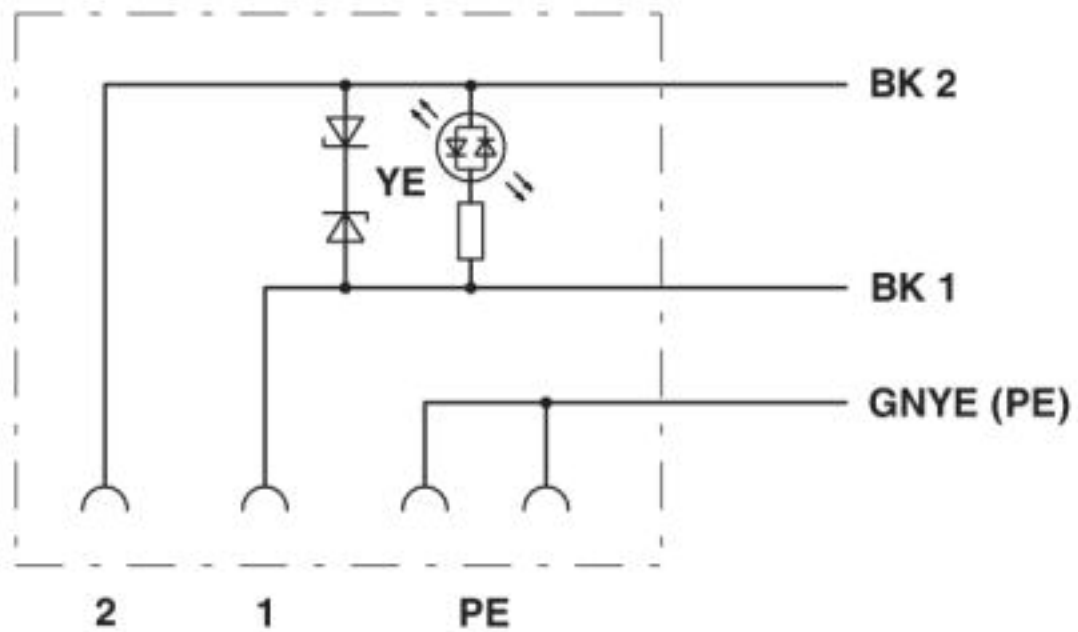
Sensor/actuator cable - SAC-3P- 3,0-PVC/CI-1L-Z - 1415939

Dimensional drawing



Valve connector, type CI, side view

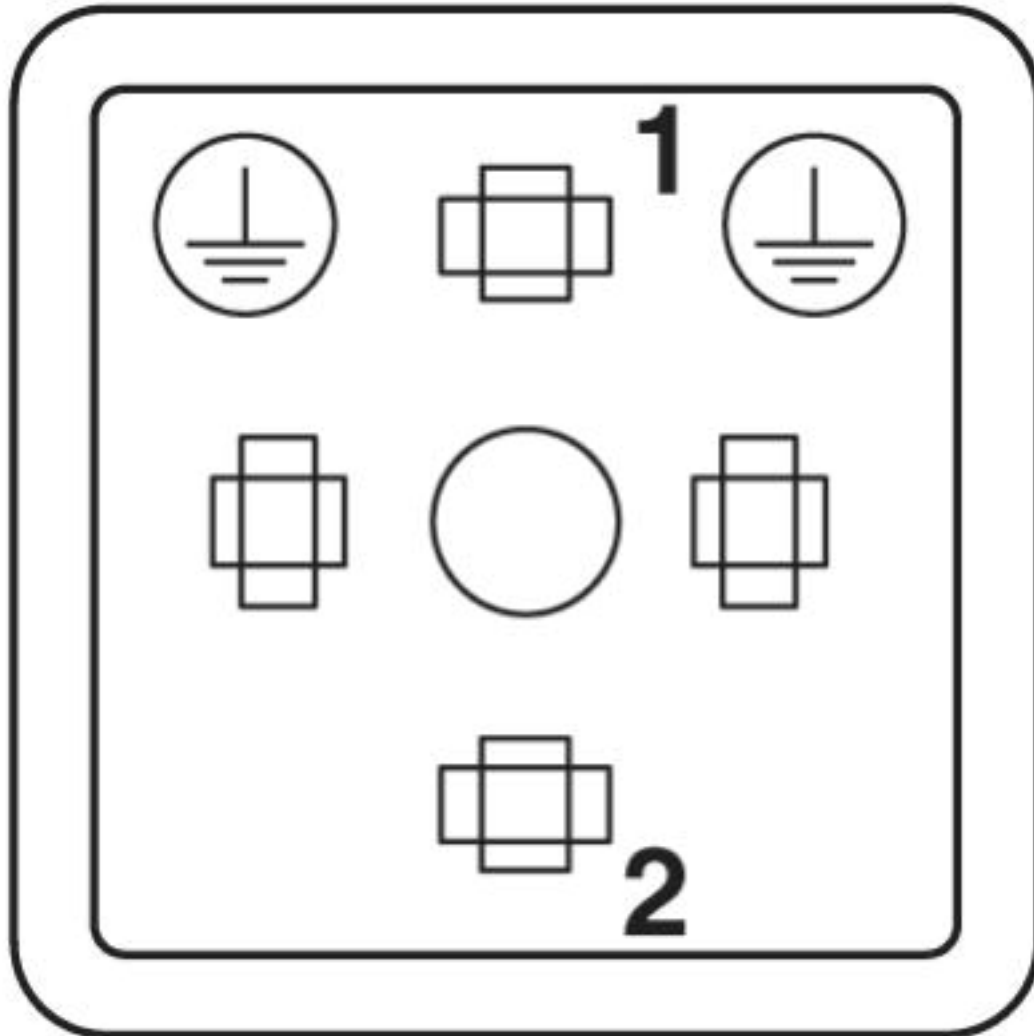
Circuit diagram



Contact assignment of the valve plug

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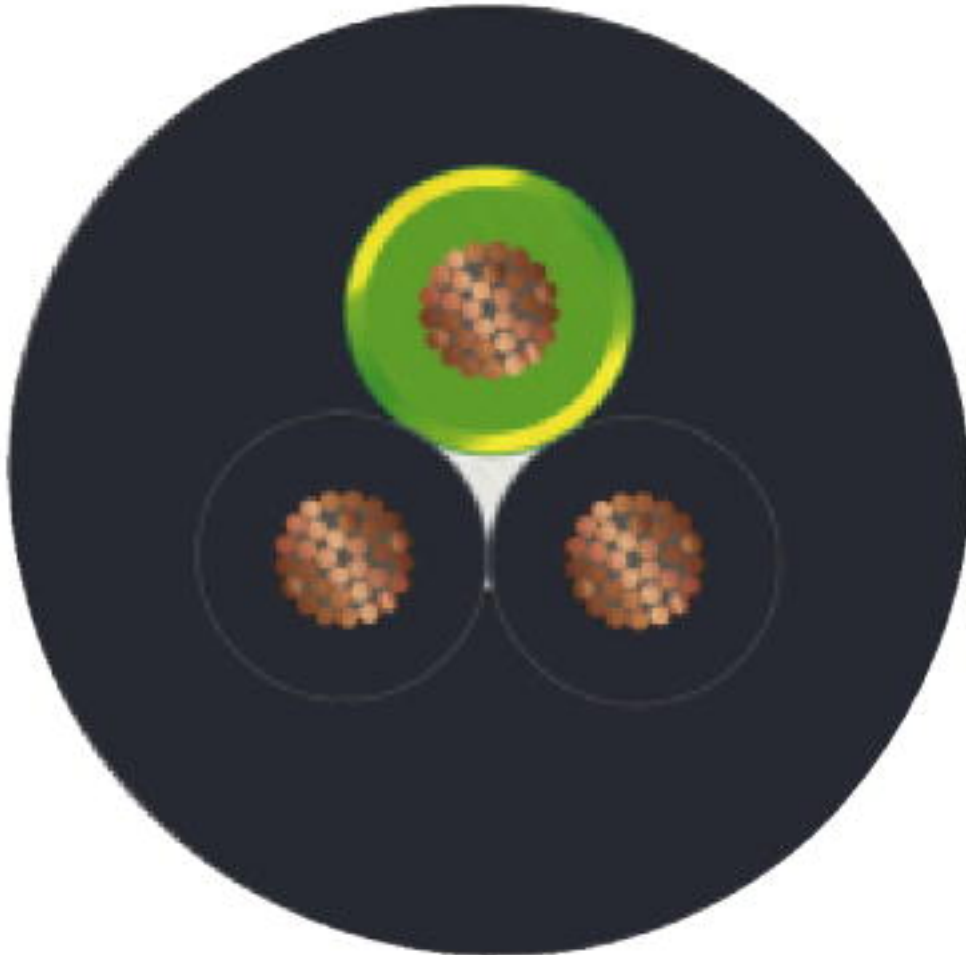
Schematic diagram



Valve connector connector pin assignment, type CI

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Cable cross section



PVC black [PVC]

Approvals

Approvals

Approvals


CSAus

Ex Approvals

Approval details

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Approvals

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

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