SAC-3P- 3,0-PVC/CI-1L-Z 110V - Sensor/actuator cable

1421771

https://www.phoenixcontact.com/us/products/1421771

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

Commercial data

Item number	1421771
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF07
Product key	AF1DFA
GTIN	4055626279206
Weight per piece (including packing)	129.5 g
Weight per piece (excluding packing)	129.5 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	3
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Conductor connection

Tightening torque	0.6 Nm

Material specifications

Flammability rating according to UL 94	V0
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn

Electrical properties

Nominal voltage U_N	110 V AC
	110 V DC
Nominal current I_N	4 A

Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

Type	free cable end

Connection 2

Type	Valve connector CI (9.4 mm)
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)
Protective circuit	Z diode

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Cable/line

Cable length	3 m

PVC black [PVC]

Dimensional drawing	
Cable weight	38.6 kg/km
UL AWM Style	2464
Number of positions	3
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	16x 0.20 mm
AWG signal line	20
Conductor cross section	3x 0.5 mm²
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	4.80 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
Max. conductor resistance	39 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km
Nominal voltage, cable	300 V
Test voltage	1200 V
Minimum bending radius, fixed installation	5 x D
Smallest bending radius, fixed installation	24 mm
Flame resistance	DIN VDE 0482
	DIN EN 50265-2-1
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)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65

	IP67

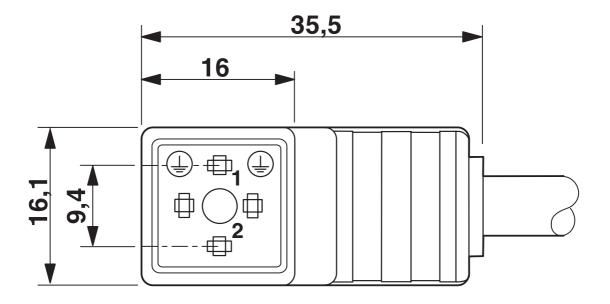# SAC-3P- 3,0-PVC/CI-1L-Z 110V - Sensor/actuator cable

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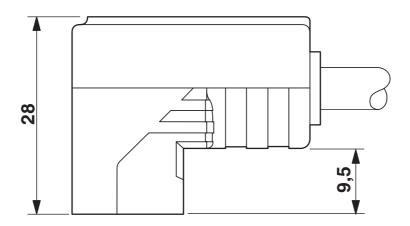## Drawings

Dimensional drawing
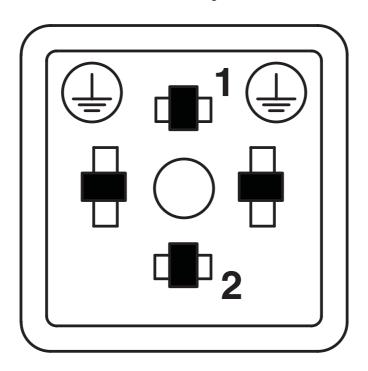

Valve connector, type CI

Dimensional drawing

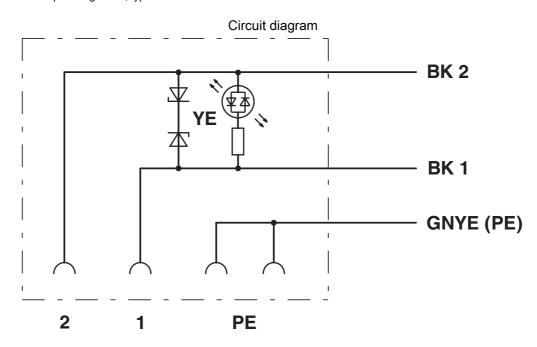
Valve connector, type CI, side view

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Schematic diagram

Valve connector connector pin assignment, type CI

Circuit diagram

BK 2

YE

BK 1

GNYE (PE)

2   1   PE

Contact assignment of the valve plug

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Classifications

ECLASS

ECLASS-13.0	27060312

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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