

# SAC-3P- 0,234-PUR/C-1L-Z SO - Sensor/actuator cable



1439159  
<https://www.phoenixcontact.com/us/products/1439159>

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Sensor/actuator cable, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector C (8 mm), with 1 LED, Wiring: Z diode

## Commercial data

Item number	1439159
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF07
Product key	BF1DEA
GTIN	4046356505208
Weight per piece (including packing)	63.54 g
Weight per piece (excluding packing)	63.54 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
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### Electrical properties

Nominal voltage U <sub>N</sub>	24 V AC
	24 V DC

### Connector

#### Connection 1

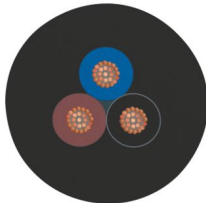
Type	free cable end
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#### Connection 2

Type	Valve connector C (8 mm)
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### Cable/line

#### PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	23 kg/km
UL AWM Style	20549
Number of positions	3
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross section	3x 0.34 mm² (Signal line)
Wire diameter incl. insulation	1.27 mm ±0.02 mm (Signal line)
External cable diameter	3.85 mm ±0.15 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	brown, blue, black
Thickness, insulation	≥ 0.21 mm (Core insulation) approx. 0.50 mm (Outer cable sheath)

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Overall twist	3 wires, twisted
Max. conductor resistance	max. 58 $\Omega$ /km (at 20 °C)
Insulation resistance	$\geq 100 \text{ G}\Omega \cdot \text{km}$ (at 20 °C)
Nominal voltage, cable	$\leq 300 \text{ V}$
Test voltage	$\geq 3000 \text{ V}$
Smallest bending radius, fixed installation	19 mm
Smallest bending radius, movable installation	38 mm
Max. bending cycles	10000000
Bending radius	38 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Special properties	Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -25 °C ... 80 °C (Cable, flexible installation)

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## Classifications

### ECLASS

ECLASS-11.0	27060312
ECLASS-13.0	27060312

### UNSPSC

UNSPSC 21.0	31251501
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## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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.)	No substance above 0.1 wt%

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