


**SAC-3P- 3,0-PUR/B-1L-Z**

Order No.: 1435399

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Sensor/Actuator cable, 3-position, PUR halogen-free, Black-gray RAL 7021, Free conductor end, on Valve plug type B (10 mm), with 1 LED, connected with Z diode, Cable length: 3 m

**Commercial data**

GTIN (EAN)	
sales group	D114
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 166 (PC-2011)

**Product notes**WEEE/RoHS-compliant since:  
05/16/2008

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**Technical data****General data**

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Volume resistance	≤ 5 mΩ

Insulation resistance	≥ 100 MΩ
Length of cable	3 m
Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)

#### General characteristics

Standards/regulations	Valve connector EN 175301-803
Surge voltage category	III
Pollution degree	3
Degree of protection	IP65/IP67
Torque	0.6 Nm (Valve plug-in connector)
Contact material	CuSn
Contact surface material	Sn
Valve plug contact insert material	PA 66
Material, housing, valve plug	TPU
Sealing material	TPU (Seal molded)
Status display	1 LED
Protective circuit/component	Z diode

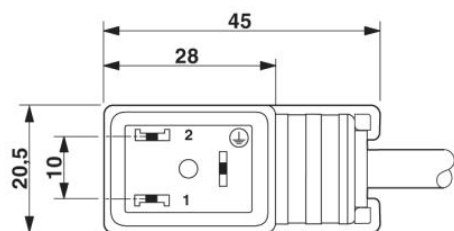
#### Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
UL AWM Style	20549
Conductor cross section	0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
AWG power supply	26
Core diameter including insulation	1.46 mm ±0.02 mm
External cable diameter	4.5 mm ±0.15 mm
Wire colors	Black 1, black 2, green/yellow
External sheath, color	Black-gray RAL 7021
Insulation resistance	Min. 20 MΩ*km
Conductor resistance	max. 39 Ω/km (at 20°C)
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V

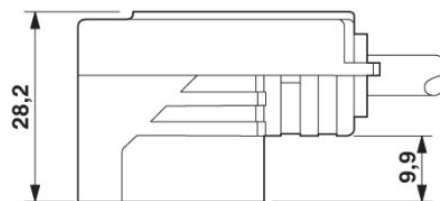
Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	30 kg/km
Smallest bending radius, fixed installation	22.5 mm
Number of bending cycles	15000000
Bending radius	50 mm
Traversing path	0.9 m
Traversing rate	5 m/s
Acceleration	30 m/s <sup>2</sup>
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -20 °C ... 80 °C (cable, flexible installation)
Special properties	Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
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

### Diagrams/Drawings

Dimensioned drawing

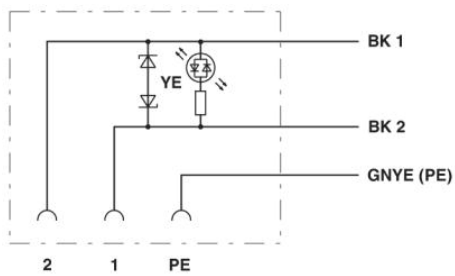


Valve plug, type B



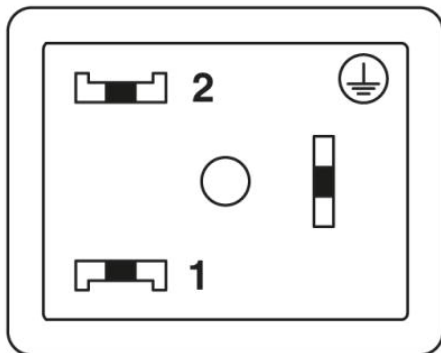
Valve connector, type B, side view

Circuit diagram



Contact assignment of the valve plug

Schematic diagram



Valve connector pin assignment, type B

**Address**

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