

SAC-3P- 5,0-PUR/B-1L-Z

Order No.: 1435409



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: 5 m

Commercial data

EAN	 4 046356 413701
Pack	1
Customs tariff	85444290
Catalog page information	Page 106 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
2009-03-12



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	5 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
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

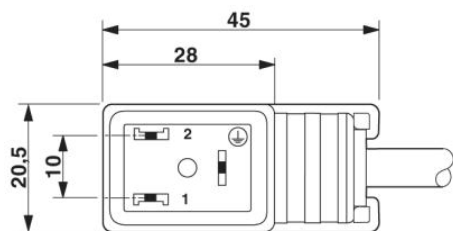
Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.5 mm ²
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.5 mm ±0.05 mm
External cable diameter	4.50 mm
Wire colors	Black 1, black 2, green/yellow
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 39 Ω/km
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	1200 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

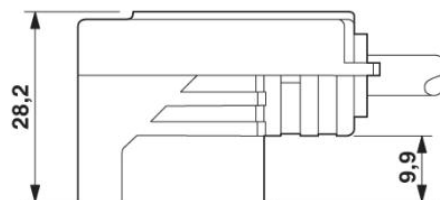
Smallest bending radius, fixed installation	22.5 mm
Number of bending cycles	4000000
Bending radius	45 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -20 °C ... 80 °C (cable, flexible installation)
Special 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

Drawings

Dimensioned drawing

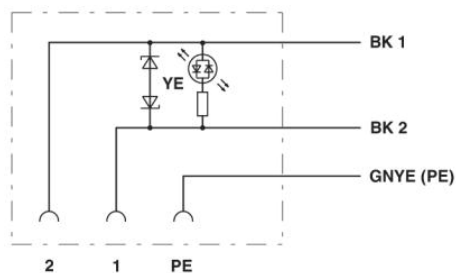


Valve plug, type B



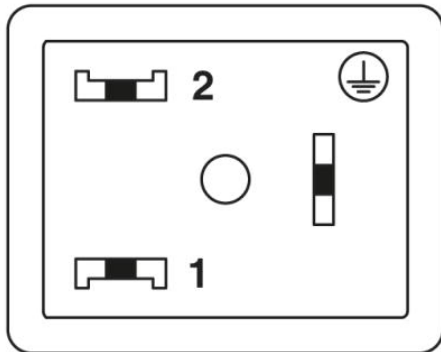
Valve connector, type B, side view

Circuit diagram



Contact assignment of the valve plug

Schematic diagram



Valve connector pin assignment, type B