

Sensor/actuator cable - SAC-3P- 3,0-PUR/C-1L-S F - 1669987

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Sensor/actuator cable, 3-position, PUR/PVC, gray RAL 7001, free cable end, on Valve connector C (8 mm), with 1 LED, connected with Z diode, cable length: 3 m

Why buy this product

- ✓ 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
- ✓ Compact: flat design for applications where space is at a premium

Key Commercial Data

Packing unit	5 STK
GTIN	 4 017918 134884
GTIN	4017918134884
Sales Key	02

Technical data

Dimensions

Length of cable	3 m
Stripping length of the free conductor end	50 mm
Central screw valve connector	M2,5 x 27,5

Ambient conditions

Ambient temperature (operation)	-20 °C ... 80 °C (valve plug)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	3 A
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Technical data

General

Rated voltage	24 V AC
	24 V DC
Number of positions	3
Color handle area	transparent
Insulation resistance	≥ 100 MΩ
Status display	1 LED
Protective circuit/component	Z diode
Overvoltage category	II
Degree of pollution	3

Material

Flammability rating according to UL 94	V0
Valve plug contact material	CuSn
Valve plug contact surface material	Ag
Valve plug contact insert material	PBT
Material housing valve plug	PBT
Sealing material	TPU (Flat gasket valve plug)

Cable

Cable type	PUR/PVC gray
Cable type (abbreviation)	100
Cable abbreviation	LiYY11Y-JZ
Conductor cross section	0.75 mm ²
AWG signal line	18
Conductor structure signal line	24x 0.20 mm
Core diameter including insulation	approx. 1.8 mm
Thickness, insulation	approx. 0.34 mm (Core insulation)
	approx. 0.35 mm (Outer cable sheath)
	approx. 0.3 mm (Inner sheath)
Wire colors	black 1, black 2, green/yellow
Overall twist	3 concentrically twisted wires
Length of twist, overall twist	83 mm
External sheath, color	gray RAL 7001
External cable diameter	5.20 mm
Smallest bending radius, movable installation	62 mm
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 1 MΩ*km
Nominal voltage, cable	240 V
Test voltage, cable	2000 V

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Technical data

Cable

Ambient temperature (operation)	-30 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 70 °C (cable, flexible installation)

Standards and Regulations

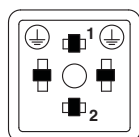
Flammability rating according to UL 94	V0
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Environmental Product Compliance

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

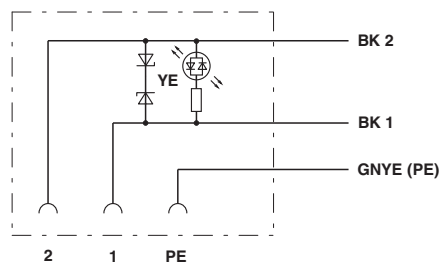
Drawings

Schematic diagram



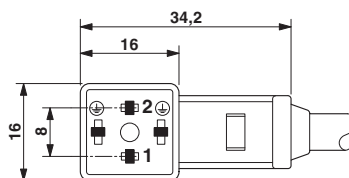
Valve connector connector pin assignment, type C

Circuit diagram



Contact assignment of the valve plug

Dimensional drawing



Valve connector, type C, flat

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

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Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN		24 V	
Nominal current IN		4 A	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN		24 V	
Nominal current IN		4 A	

EAC		EAC-Zulassung
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cULus Listed	
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