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Sensor/Actuator cable - SAC-3P- 1,5-PUR/A - 1402983

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Sensor/Actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector A, Cable length: 1.5 m

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust valve connector without protective circuit
- Our standard: robust halogen-free PUR cable

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 638159

Technical data

Dimensions

Length of cable	1.5 m

Ambient conditions

Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	6 A
Rated voltage	230 V
Number of positions	3
Insulation resistance	≥ 100 MΩ
Standards/regulations	Valve connector EN 175301-803
Status display	No
Protective circuit/component	Unwired
Overvoltage category	III
Degree of pollution	3
Torque	0.6 Nm (Valve connector)

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Technical data

Material

Flammability rating according to UL 94	V0
Valve plug contact material	CuSn
Valve plug contact surface material	Sn
Valve plug contact insert material	PA 66
Material housing valve plug	TPU
Sealing material	TPU (Seal molded)

Standards and Regulations

Standard designation	Valve connector
Standards/regulations	EN 175301-803
Flammability rating according to UL 94	V0

Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
UL AWM style	20549
Conductor cross section	3x 0.5 mm²
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.5 mm ±0.05 mm (Signal line)
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black-gray RAL 7021
External cable diameter D	4.5 mm ±0.2 mm
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/s²
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	min. 20 MΩ*km
Conductor resistance	39 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 1200 V
Flame resistance	According to DIN VDE 0482
	According to DIN EN 50265-2-1
Halogen-free	in accordance with DIN VDE 0472 part 815
Other resistance	Largely oil-resistant

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Technical data

Cable

	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27060300
eCl@ss 5.1	27061804
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218

ETIM

ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

EAC / CSA / CSAus / cCSAus

Ex Approvals

Approvals submitted

Approval details

Sensor/Actuator cable - SAC-3P- 1,5-PUR/A - 1402983

Approvals

EAC

CSA

Nominal current IN	6 A
Nominal voltage UN	230 V

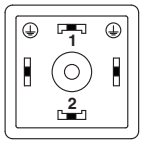
CSAus

Nominal current IN	6 A
Nominal voltage UN	230 V

cCSAus

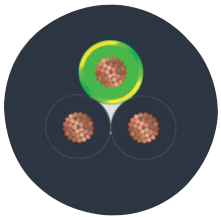
Drawings

Schematic diagram



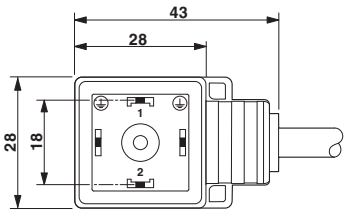
Valve connector pin assignment, type A

Cable cross section



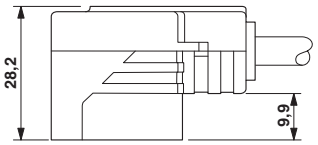
PUR halogen-free black [PUR]

Dimensional drawing



Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

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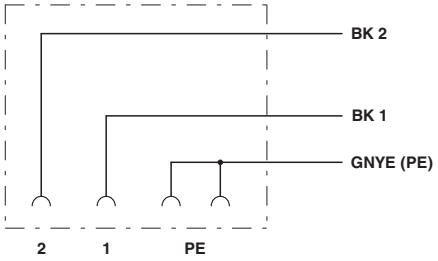
Circuit diagram



Contact assignment of the valve plug

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com

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