

Sensor/actuator cable - SAC-3P-0,6-121/A 0,08 AE - 1410087

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Sensor/actuator cable, 3-pos., PUR, RAL 7021 (black-gray), free cable end with 8 cm long wires and ferrules to valve connector A, length: 0.6 m

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 889537
GTIN	4046356889537

Technical data

Dimensions

Length of cable	0.6 m
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Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	24 V AC
	24 V DC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Standards/regulations	Valve connector
Overvoltage category	III
Degree of pollution	3

Material

Flammability rating according to UL 94	V0
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Technical data

Material

Valve plug contact material	CuSn
Valve plug contact surface material	Sn
Valve plug contact insert material	PA 6.6
Material housing valve plug	TPU
Sealing material	TPU (Seal molded)

Standards and Regulations

Standard designation	Valve connector
Flammability rating according to UL 94	V0

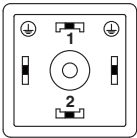
Cable

Cable type	PUR black
Cable type (abbreviation)	121
Cable abbreviation	Li9Y11Y
UL AWM style	20549
Conductor cross section	3x 1 mm ²
AWG signal line	17
Conductor structure signal line	32x 0.20 mm
Core diameter including insulation	2.1 mm ±0.05 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black RAL 9005
External cable diameter D	6 mm ±0.2 mm
Minimum bending radius, flexible installation	7.5 x D
Number of bending cycles	3000000
Traversing rate	2.5 m/s
Acceleration	10 m/s ²
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	19.5 Ω/km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage, cable	1200 V
Special properties	highly flexible
Flame resistance	DIN VDE 0482
	DIN EN 50265-2-1
Resistance to oil	largely oil-resistant
Other resistance	Low adhesion
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

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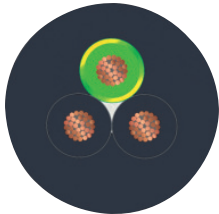
Drawings

Schematic diagram



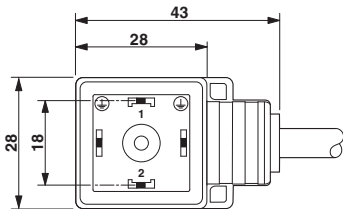
Valve connector pin assignment, type A

Cable cross section



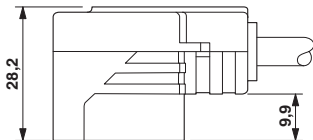
PUR black [121]

Dimensional drawing



Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

Approvals

Approvals

Approvals

CSAus

Ex Approvals

Approval details

CSAus		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		230 V	
Nominal current IN		6 A	

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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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