



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Sensor/Actuator cable - SAC-4P-3,0-PUR/AD - 1438956

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Sensor/Actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector AD (pressure switch), Cable length: 3 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 489003

Technical data

Dimensions

Length of cable	3 m
-----------------	-----

Ambient conditions

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

General

Rated current at 40°C	4 A
Rated voltage	230 V
Number of positions	4
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)

Sensor/Actuator cable - SAC-4P-3,0-PUR/AD - 1438956

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 6
Material housing valve plug	TPU

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
UL AWM style	20549
Conductor cross section	4x 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 (Signal line)
Wire colors	Black 1, black 2, black 3, green/yellow
Overall twist	4 wires, twisted
External sheath, color	black-gray RAL 7021
External cable diameter D	4.9 mm ±0.2 mm
Smallest bending radius, fixed installation	25 mm
Smallest bending radius, movable installation	50 mm
Number of bending cycles	15000000
Bending radius	50 mm
Traversing path	0.9 m
Traversing rate	5 m/s
Acceleration	30 m/s ²
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
Other resistance	Largely oil-resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A

Sensor/Actuator cable - SAC-4P-3,0-PUR/AD - 1438956

Technical data

Cable

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	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218

ETIM

ETIM 3.0	EC001855
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

Ex Approvals

Approvals submitted

Approval details

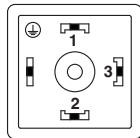
Sensor/Actuator cable - SAC-4P-3,0-PUR/AD - 1438956

Approvals

EAC

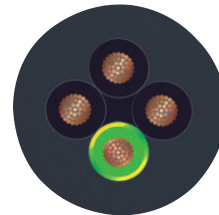
Drawings

Schematic diagram



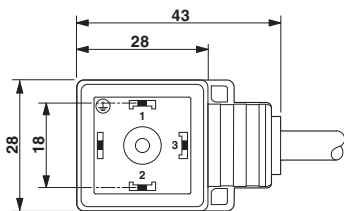
Valve plug connector pin assignment, type AD

Cable cross section



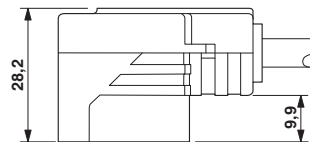
PUR halogen-free black [PUR]

Dimensional drawing



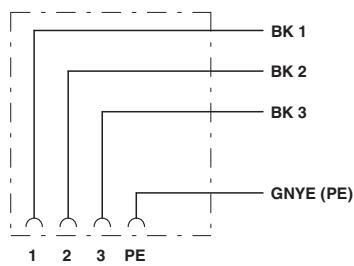
Valve connector, type AD

Dimensional drawing



Valve connector, type AD, side view

Circuit diagram



Contact assignment of the valve plug

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

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



Automatización Eléctrica
Especialistas en Automatización

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Sensor/Actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector AD (pressure switch), Cable length: 3 m	1438956	SAC-4P-3,0-PUR/AD	Buy on EAN