

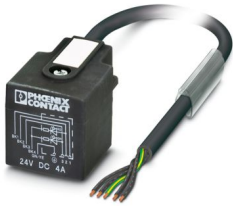
# SAC-5P- 3,0-534/AD-2L - Sensor/actuator cable



1403669

<https://www.phoenixcontact.com/us/products/1403669>

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Sensor/actuator cable, 5-position, PVC, black, free cable end, on Valve connector AD (pressure switch), with 2 LEDs, Wiring: unwired, cable length: 3 m

## Commercial data

Item number	1403669
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1DBA
GTIN	4046356663298
Weight per piece (including packing)	231.9 g
Weight per piece (excluding packing)	228.56 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	5
No. of cable outlets	1
Shielded	no

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

#### Conductor connection

Tightening torque	0.6 Nm (Valve connector)
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### Material specifications

Flammability rating according to UL 94	V0
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6
Contact surface material	Sn

### Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage $U_N$	24 V AC
	24 V DC
Nominal current $I_N$	4 A

### Signaling

Status display	2 LEDs
Status display present	yes

### Connector

#### Connection 1

Type	free cable end
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#### Connection 2

Type	Valve connector AD (pressure switch)
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6 (Contact carrier)
	TPU (Housing)

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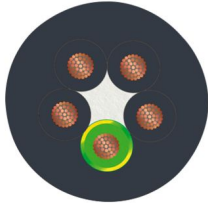
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Protective circuit	unwired
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## Cable/line

Cable length	3 m
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PVC, 0.75 mm<sup>2</sup>, black [534]

Dimensional drawing	
Cable weight	70.9 kg/km
UL AWM Style	2464 (80°C/300 V)
Number of positions	5
Shielded	no
Cable type	PVC, 0.75 mm <sup>2</sup> , black [534]
Conductor structure signal line	24x 0.20 mm
AWG signal line	18
Conductor cross-section	5x 0.75 mm <sup>2</sup>
Wire diameter incl. insulation	1.7 mm ±0.1 mm
External cable diameter	6.20 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, black 2, black 3, black 4, green/yellow
Overall twist	5 cores, twisted
Max. conductor resistance	26 Ω/km (at 20 °C)
Insulation resistance	min. 20 MΩ*km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage	1200 V
Minimum bending radius, fixed installation	5 x D
Smallest bending radius, fixed installation	31 mm
Flame resistance	DIN VDE 0482 DIN EN 50265-2-1 in acc. to UL VW1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

## Environmental and real-life conditions

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## Ambient conditions

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

## Standards and regulations

### Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

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## Drawings

Dimensional drawing



Valve connector, type AD

Dimensional drawing



Valve connector, type AD, side view

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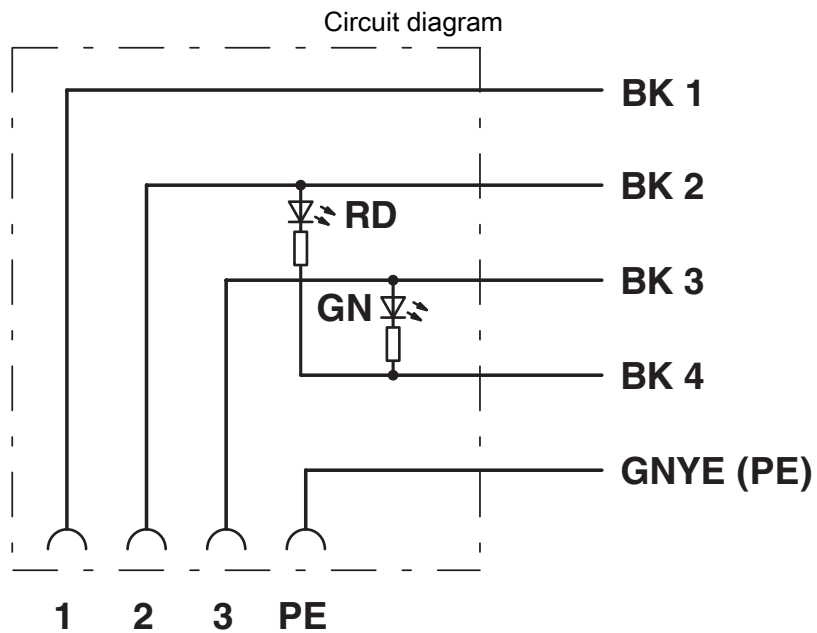
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Schematic diagram



Valve plug connector pin assignment, type AD



Contact assignment of the valve plug

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## Classifications

### ECLASS

ECLASS-13.0	27060312
ECLASS-15.0	27060312

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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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