

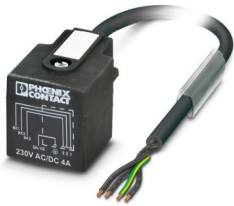
# SAC-4P- 3,0-PVC/AD - Sensor/actuator cable



1455670

<https://www.phoenixcontact.com/us/products/1455670>

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Sensor/actuator cable, 4-position, PVC, black RAL 9005, free cable end, on Valve connector AD (pressure switch), Wiring: unwired, cable length: 3 m

## Commercial data

Item number	1455670
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AF1DBA
GTIN	4046356579513
Weight per piece (including packing)	158.9 g
Weight per piece (excluding packing)	158.9 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	4
No. of cable outlets	1

### 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
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6
Contact surface material	Sn

### Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	230 V AC 230 V DC
Nominal current $I_N$	4 A

### Signaling

Status display	no
Status display present	no

### 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)
Protective circuit	unwired

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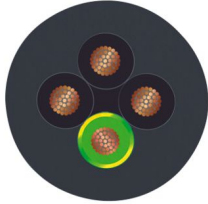
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## Cable/line

Cable length	3 m
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### PVC black [PVC]

Dimensional drawing	
UL AWM Style	2464
Number of positions	4
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	16x 0.20 mm
AWG signal line	20
Conductor cross-section	4x 0.5 mm <sup>2</sup>
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, black 2, black 3, green/yellow
Overall twist	4 wires, twisted
Max. conductor resistance	39 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km
Nominal voltage, cable	300 V
Test voltage	1200 V
Minimum bending radius, fixed installation	5 x D
Smallest bending radius, fixed installation	26 mm
Flame resistance	DIN VDE 0482 DIN EN 50265-2-1
Resistance to oil	largely oil-resistant
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

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

Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

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## Drawings

Dimensional drawing



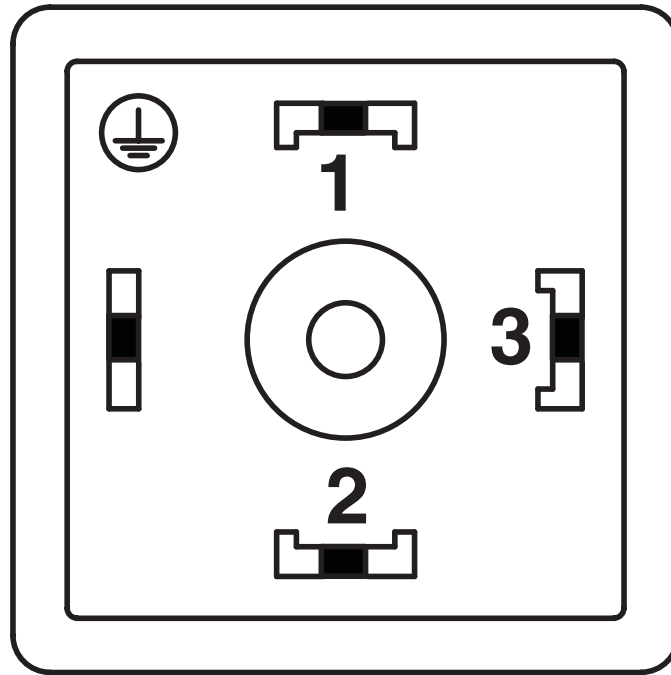
Valve connector, type AD

Dimensional drawing



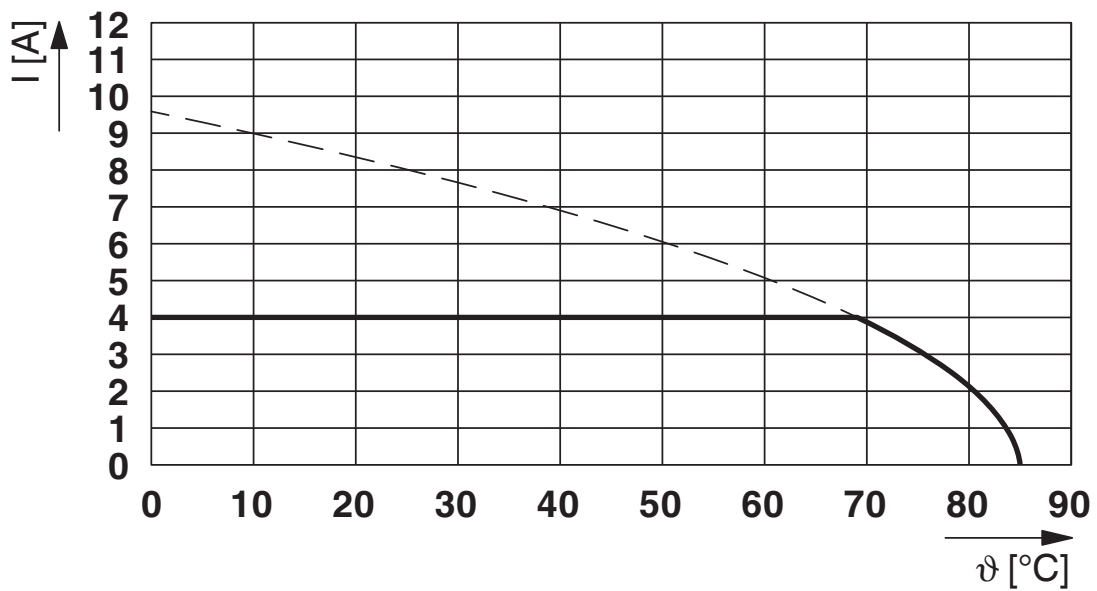
Valve connector, type AD, side view

Schematic diagram



Valve plug connector pin assignment, type AD

Diagram



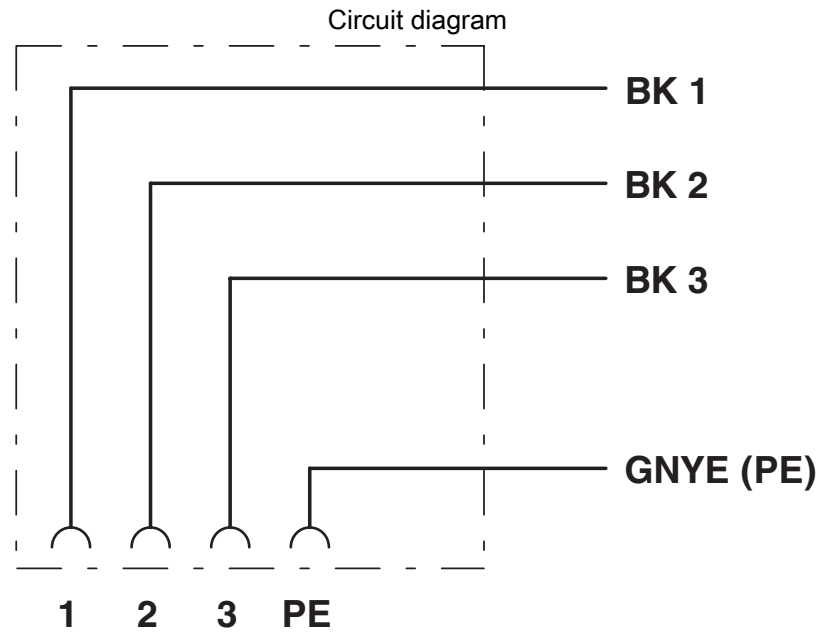
Derating diagram

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Contact assignment of the valve plug

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1455670>

 <b>CSAus</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	230 V	6 A	-	-

# SAC-4P- 3,0-PVC/AD - Sensor/actuator cable



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## Classifications

### ECLASS

ECLASS-13.0	27060312
ECLASS-15.0	27060312

### ETIM

ETIM 9.0	EC001855
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### UNSPSC

UNSPSC 21.0	31251500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
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