

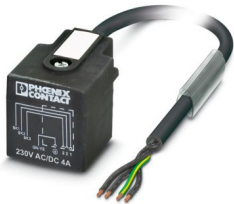
SAC-4P-3,0-PUR/AD - Sensor/actuator cable



1438956

<https://www.phoenixcontact.com/us/products/1438956>

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector AD (pressure switch), Wiring: unwired, cable length: 3 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Our standard: robust halogen-free PUR cable

Commercial data

Item number	1438956
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	AF1DBA
GTIN	4046356489003
Weight per piece (including packing)	133.2 g
Weight per piece (excluding packing)	129.6 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Application	Standard
Number of positions	4
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
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	230 V AC
	230 V DC
Nominal current I_N	4 A

Valve connector characteristics

Fixing screws	M3 x 29
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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)
	CuSn (Contact)

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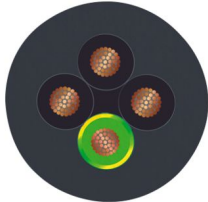
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Material	Sn (Contact surface)
	PA 6 (Contact carrier)
	TPU (Housing)
Protective circuit	unwired

Cable/line

Cable length	3 m
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PUR halogen-free black [PUR]

Dimensional drawing	
UL AWM Style	20549
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	28x 0.15 mm
AWG signal line	20
Conductor cross-section	4x 0.5 mm ²
Wire diameter incl. insulation	1.5 mm ±0.05 mm (Signal line)
External cable diameter	4.90 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
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	min. 20 MΩ*km
Nominal voltage, cable	300 V
Test voltage	1200 V
Smallest bending radius, fixed installation	25 mm
Smallest bending radius, movable installation	50 mm
Dynamic load capacity (bending)	Max. bending cycles: 15000000, Bending radius: 50 mm, Traversing path: 0.9 m, Traversing rate: 5 m/s, Acceleration: 30 m/s ²
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)

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Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

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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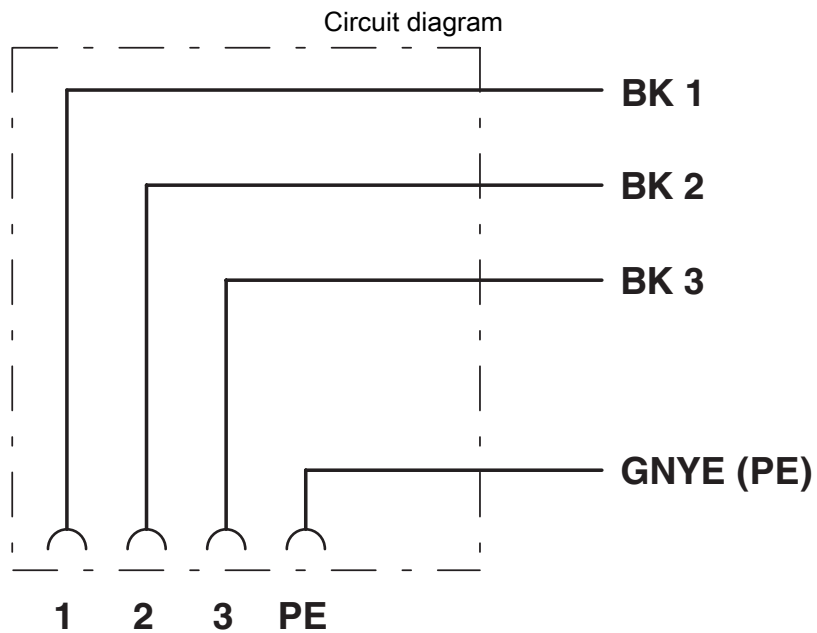
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Schematic diagram



Valve plug connector pin assignment, type AD



Contact assignment of the valve plug

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1438956>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	24 V	4 A	-	-

 EAC-RoHS Approval ID: RU D-DE.HB35.B.00387				
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 CSAus Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	230 V	6 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27060312
ECLASS-15.0	27060312

ETIM

ETIM 10.0	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.)	No substance above 0.1 wt%
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EF3.1 Climate Change

CO2e kg	1.395 kg CO2e
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