

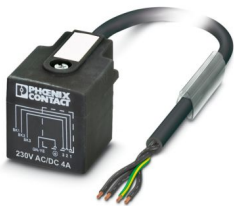
SAC-4P- 5,0-PUR/AD SO - Sensor/actuator cable



1404318

<https://www.phoenixcontact.com/in/products/1404318>

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Sensor/actuator cable, 4-pos., PUR halogen-free, RAL 7021 black-gray, free cable end, to AD valve connector (pressure switch), cable length: 5 m, with knurled screw

Commercial data

Item number	1404318
Packing unit	1 pc
Minimum order quantity	25 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	AF1DBA
GTIN	4046356691031
Weight per piece (including packing)	202.1 g
Weight per piece (excluding packing)	202 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
Number of positions	4
No. of cable outlets	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

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

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 carriers)
	TPU (Housing)

Cable/line

Cable length	5 m
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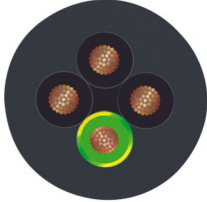
PUR halogen-free black [PUR]

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1404318

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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 mm²
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/s²
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)
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)	-20 °C ... 85 °C (valve plug)

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Standards and regulations

Valve connector

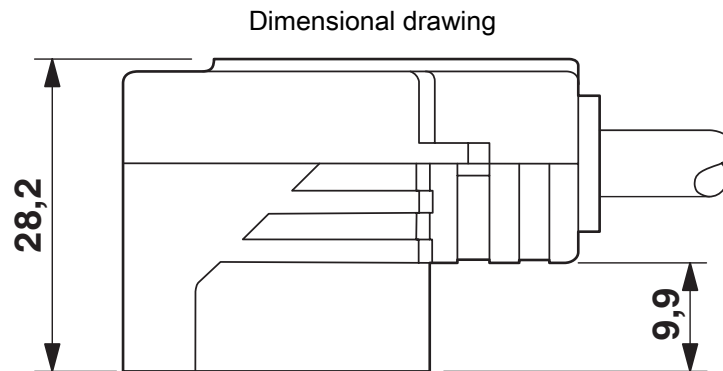
Standard designation	Valve connector
Standards/specifications	EN 175301-803

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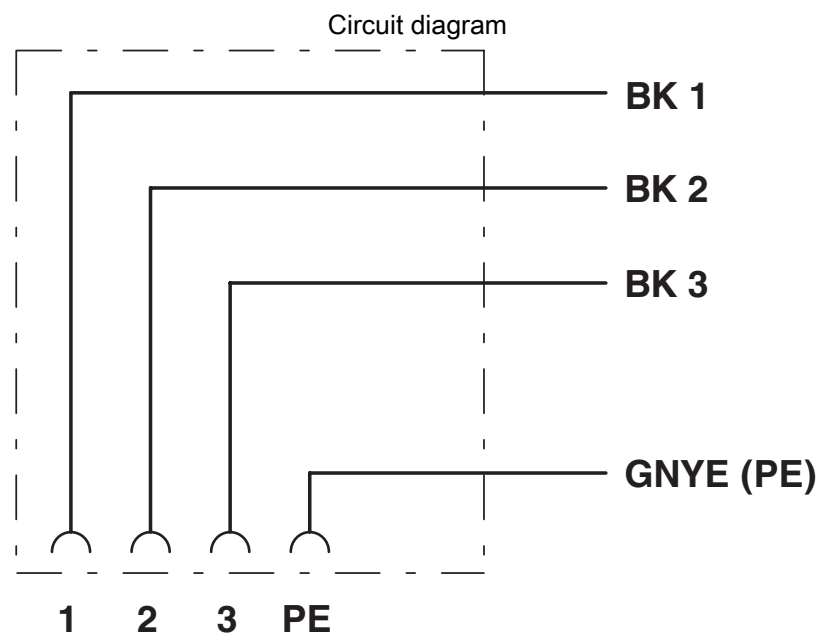
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Drawings

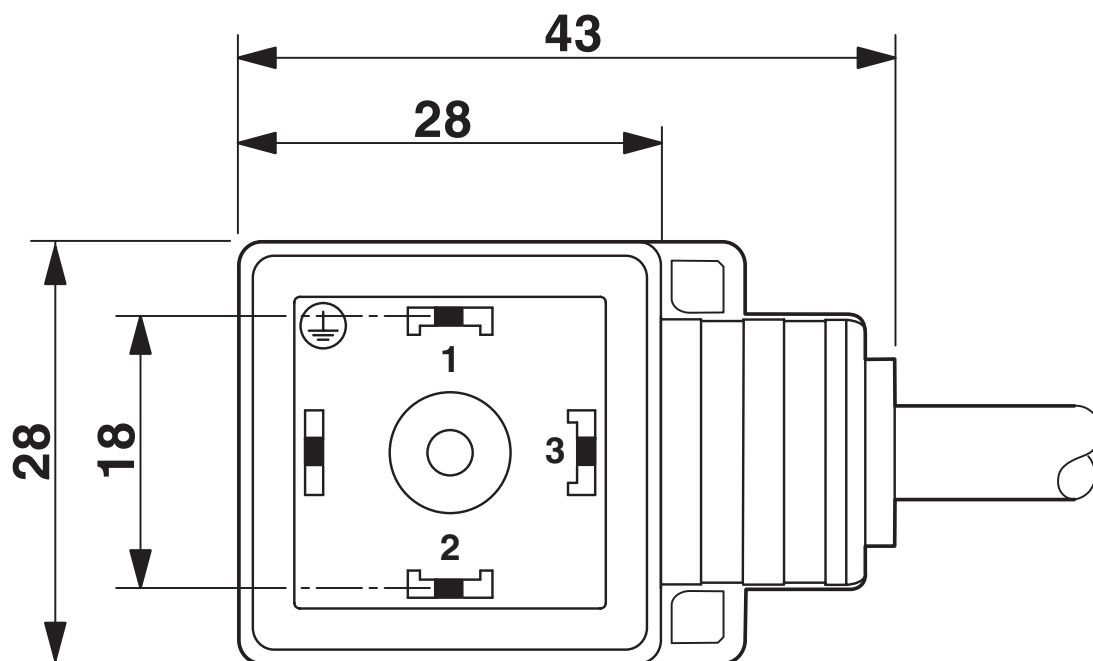


Valve connector, type AD, side view



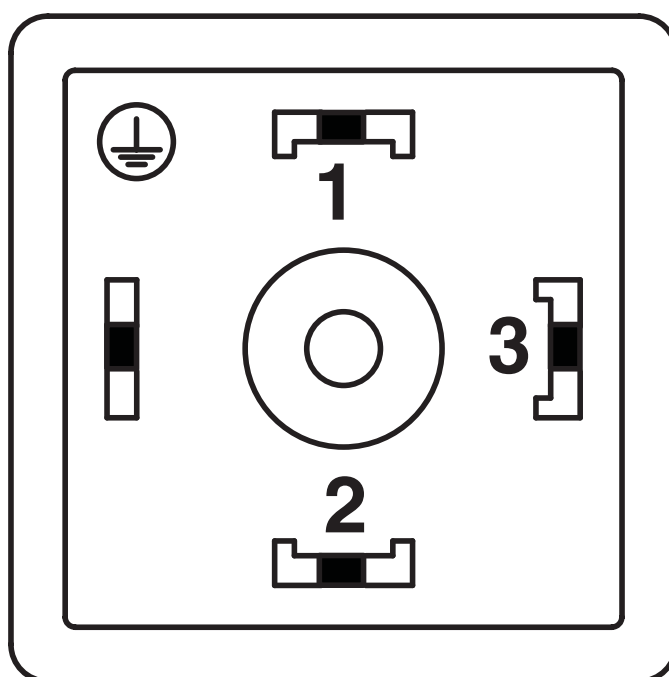
Contact assignment of the valve plug

Dimensional drawing



Valve connector, type AD

Schematic diagram



Valve plug connector pin assignment, type AD

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Approvals

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 CSAus Approval ID: 13631	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	230 V	6 A	-	-

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Classifications

ECLASS

ECLASS-11.0	27060312
ECLASS-12.0	27060312
ECLASS-13.0	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
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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Accessories

SAC-V-SCREW-M3-29 KNURL - Screw

1403779

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Fillister head screw with plastic knurl, M3 x 40



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