

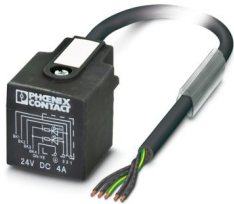
SAC-5P-10,0-PVC/AD-2L - Sensor/actuator cable



1438671

<https://www.phoenixcontact.com/nl/products/1438671>

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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: 10 m

Commercial data

Item number	1438671
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AF1DBA
Product key	AF1DBA
GTIN	4046356488563
Weight per piece (including packing)	553,2 g
Weight per piece (excluding packing)	538,3 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Application	Standard
Number of positions	5
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

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	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	24 V DC
Nominal current I_N	4 A

Valve connector characteristics

Fixing screws	M3 x 29
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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)
Protective circuit	unwired

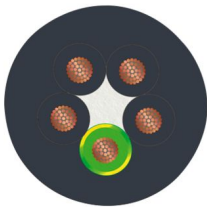
Cable/line

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Cable length	10 m
PVC black [PVC]	
Dimensional drawing	
Cable weight	58.7 kg/km
UL AWM Style	2464
Number of positions	5
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	16x 0.20 mm
AWG signal line	20
Conductor cross-section	5x 0.5 mm ²
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	5.60 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	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	28 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
Ambient temperature (operation) (Valve connector)	-20 °C ... 85 °C (Valve connector)

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Ambient temperature (operation) (Cable, fixed installation)	-25 °C ... 80 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	-5 °C ... 80 °C (Cable, flexible installation)

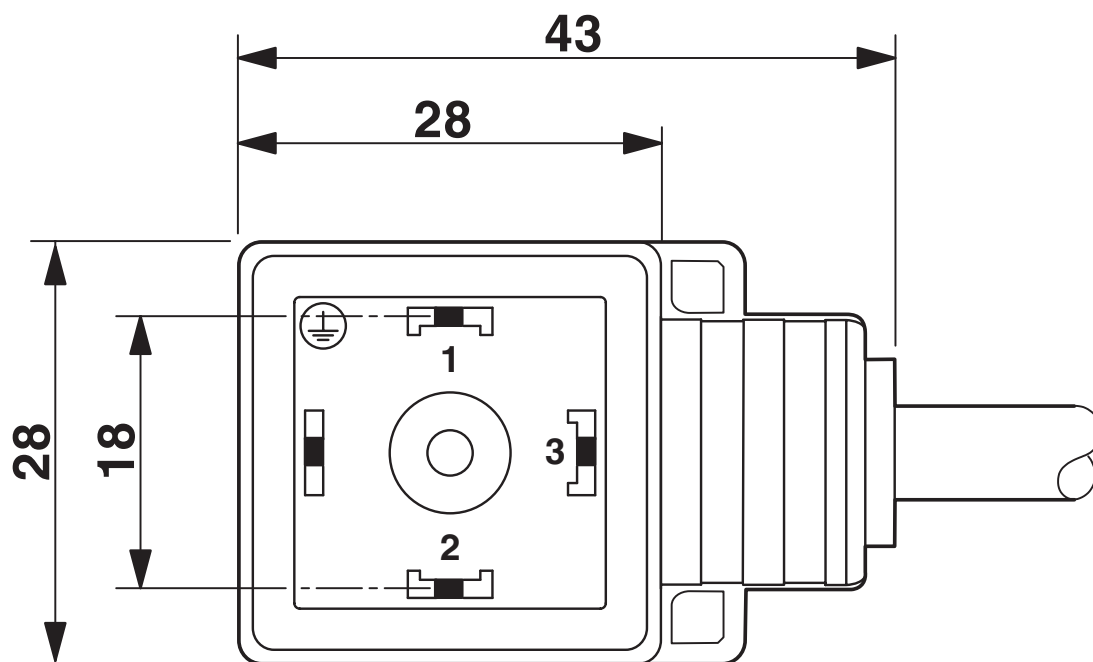
Standards and regulations

Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

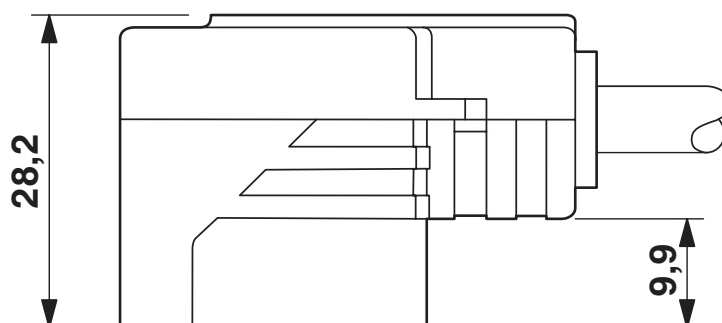
Drawings

Dimensional drawing



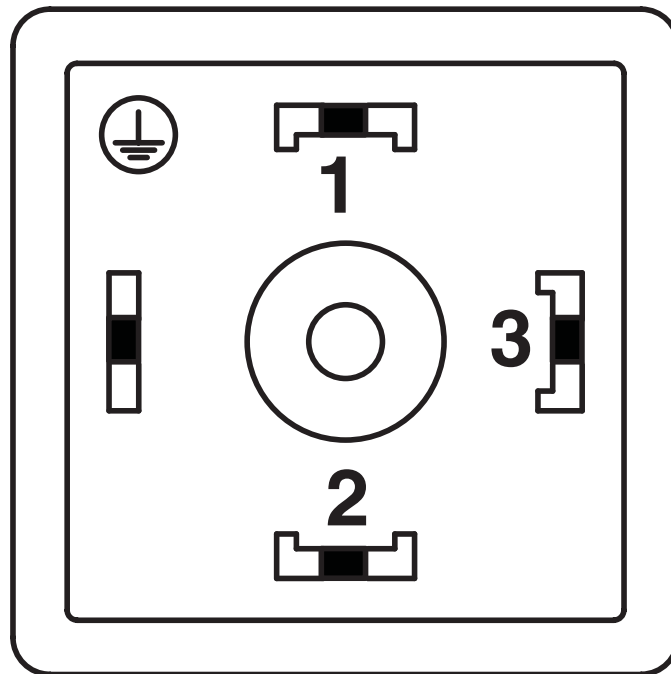
Valve connector, type AD

Dimensional drawing

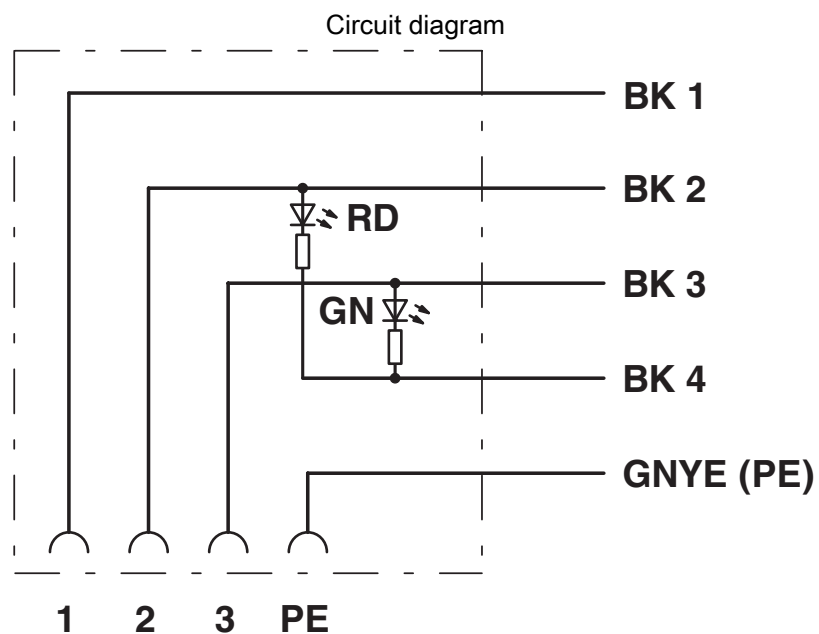


Valve connector, type AD, side view

Schematic diagram



Valve plug connector pin assignment, type AD



Contact assignment of valve connector

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/1438671>



EAC-RoHS
Approval ID: RU D-DE.HB35.B.00387

	CSAus Approval ID: 13631			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	24 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	4,041 kg CO2e
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