

SAC-5P- 1,5-PVC/AD-2L - Sensor/actuator cable



1415945

<https://www.phoenixcontact.com/us/products/1415945>

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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: 1.5 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components

Commercial data

Item number	1415945
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	AF1DBA
GTIN	4055626055206
Weight per piece (including packing)	107.9 g
Weight per piece (excluding packing)	80.15 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	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

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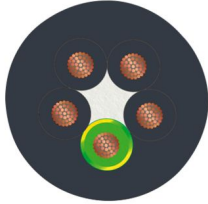
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Cable/line

Cable length	1.5 m
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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
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	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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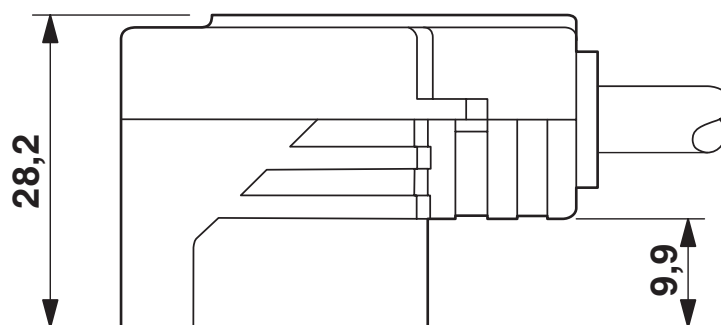
Drawings

Dimensional drawing



Valve connector, type AD

Dimensional drawing



Valve connector, type AD, side view

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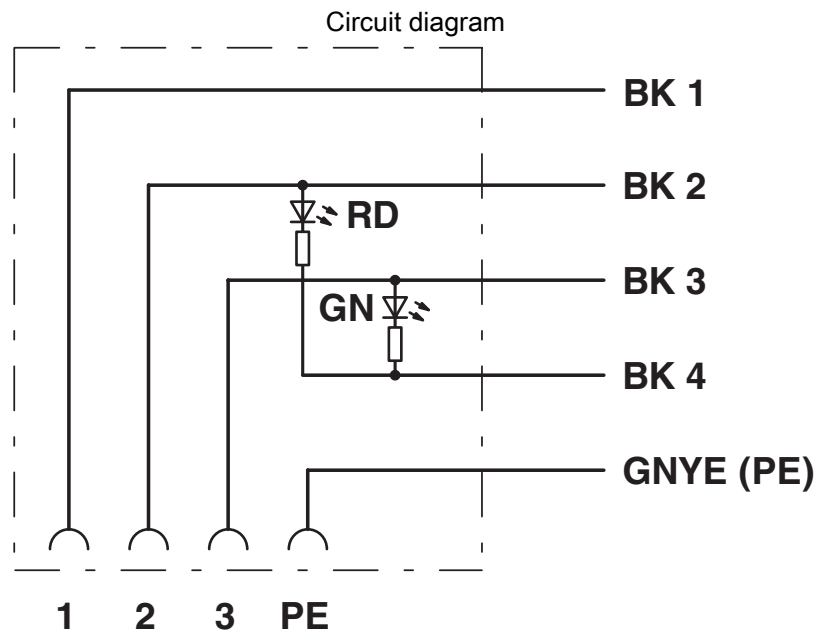
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Schematic diagram



Valve plug connector pin assignment, type AD



Contact assignment of the valve plug

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Approvals

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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
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	24 V	4 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	1.028 kg CO2e
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