

SAC-5,0-PVC/A-LS/0,15PVC/A-LS - Sensor/actuator cable



1444209

<https://www.phoenixcontact.com/us/products/1444209>

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Sensor/actuator cable, 3-position, PVC, black, free cable end, on Valve connector A, with 1 LED,
Wiring: Z diode, cable length: 5 m

Commercial data

Item number	1444209
Packing unit	1 pc
Minimum order quantity	100 pc
Product key	AF1DGA
GTIN	4046356525732
Weight per piece (including packing)	343 g
Weight per piece (excluding packing)	334.5 g
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	3
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	HB
Seal material	TPU
Material housing valve plug	PBT
Contact material	CuSn
Valve plug contact insert material	PBT
Contact surface material	Ag

Electrical properties

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

Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Valve connector A
Number of positions	3
Material	CuSn (Contact) Ag (Contact surface) PBT (Contact carrier) PBT (Housing)
Protective circuit	Z diode

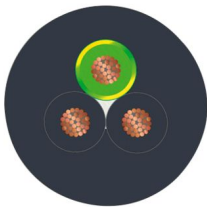
Cable/line

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Cable length	5 m
PVC, 0.75 mm², black [534]	
Dimensional drawing	
Cable weight	49.1 kg/km
Number of positions	3
Shielded	no
Cable type	PVC, 0.75 mm², black [534]
Conductor structure signal line	24x 0.20 mm
AWG signal line	18
Conductor cross section	3x 0.75 mm²
Wire diameter incl. insulation	1.7 mm ±0.1 mm
External cable diameter	5.30 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, green/yellow
Overall twist	3 wires, twisted
Max. conductor resistance	26 Ω/km (at 20 °C)
Insulation resistance	min. 20 MΩ*km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage	1200 V
Minimum bending radius, fixed installation	5 x D
Smallest bending radius, fixed installation	27 mm
Flame resistance	DIN VDE 0482 DIN EN 50265-2-1 in acc. to UL VW1
Resistance to oil	in accordance with DIN EN 60811-2-1
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	IP67
Ambient temperature (operation)	-20 °C ... 80 °C (Valve connector) -20 °C ... 80 °C (cable, fixed installation)

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	-5 °C ... 70 °C (Cable, flexible installation)
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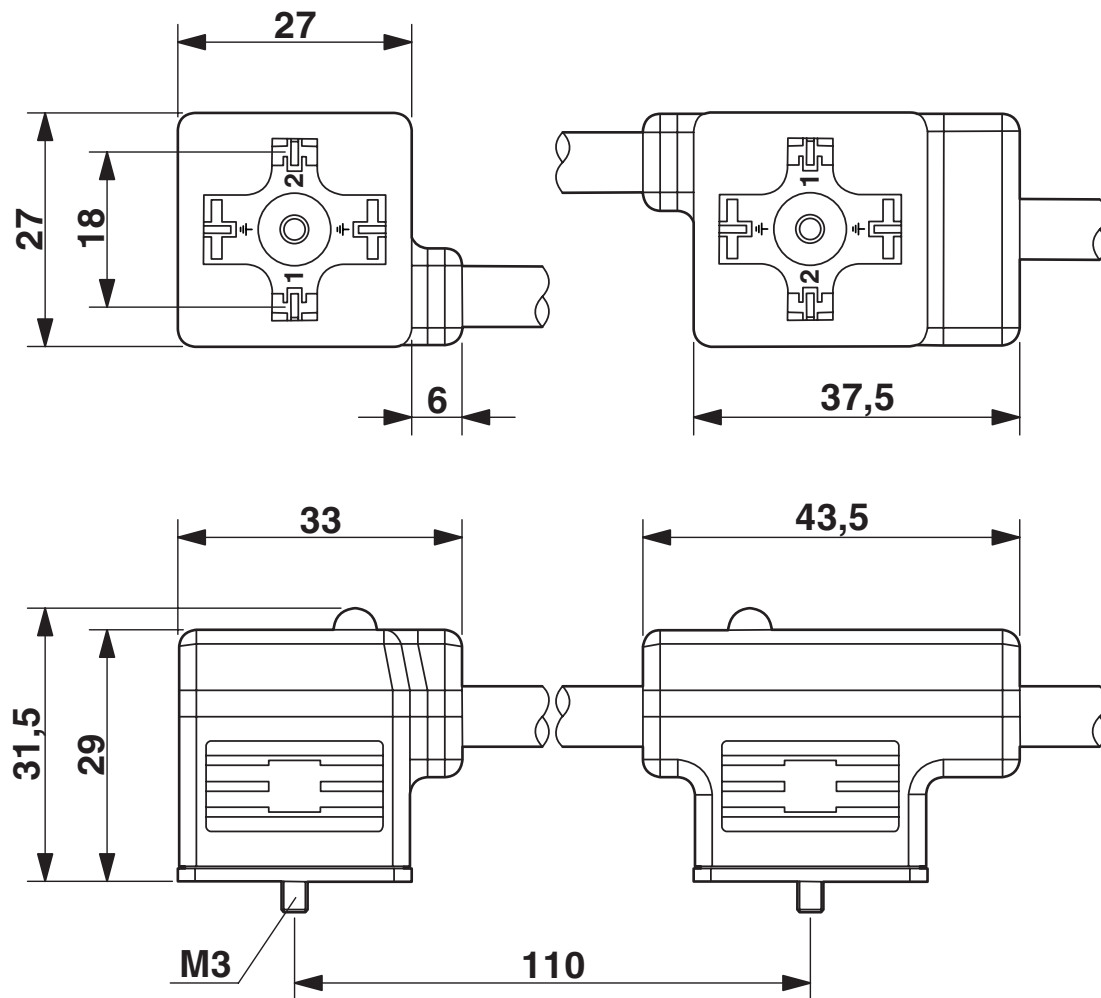
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Drawings

Dimensional drawing



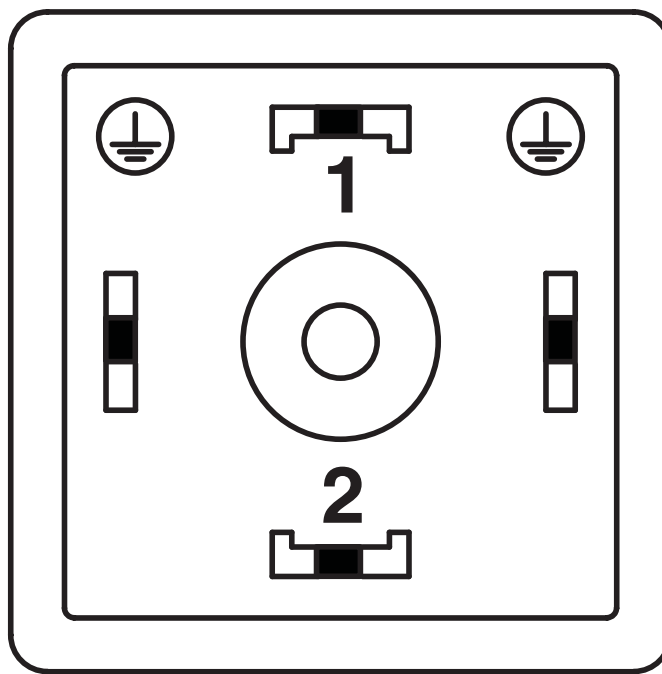
Double valve connector, 2x type A

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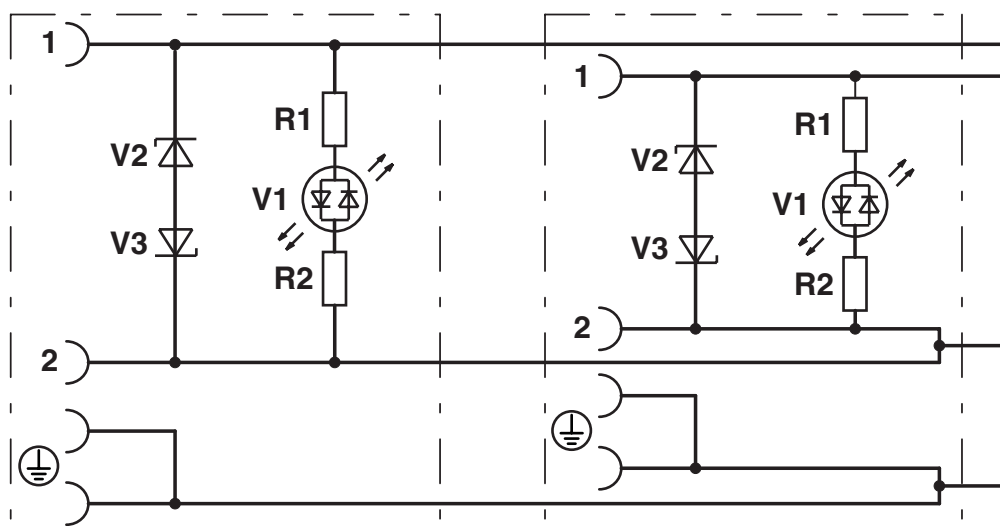
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Schematic diagram



Valve connector pin assignment, type A

Circuit diagram



Wiring of double valve connector cable

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Classifications

ECLASS

ECLASS-13.0	27060312
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ETIM

ETIM 8.0	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
Exemption	7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)(CAS: n/a)
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