

# SAC-4P-M12MS/A-1L-S D - Valve connector



1696170

<https://www.phoenixcontact.com/us/products/1696170>

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Valve connector, type A, with M12 plug



## Commercial data

Item number	1696170
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	AF1GDA
GTIN	4017918181147
Weight per piece (including packing)	38.8 g
Weight per piece (excluding packing)	35 g
Customs tariff number	85366990
Country of origin	CZ

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## Technical data

### Product properties

Product type	Valve connector adapter
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Connection data

Connection method	M12 connector
Tightening torque	0.4 Nm (M12 connector)
	0.6 Nm (Valve connector)

### 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

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
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### Material specifications

Flammability rating according to UL 94	V0
Seal material	TPU
Material housing valve plug	PBT
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Contact material	CuSn
Valve plug contact insert material	PBT
Contact surface material	Ag
Material for screw connection	Zinc die-cast, nickel-plated

### Signaling

Status display	LED (yellow)
Status display present	yes

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## Connector

### Connection 1

Type	Plug straight M12
Number of positions	4
Coding type	A

### Connection 2

Type	Valve connector A (DESINA)
Number of positions	4
Material	CuSn (Contact)
	Ag (Contact surface)
	PBT (Contact carrier)
	PBT (Housing)
Protective circuit	Z diode

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Valve connector)

## Standards and regulations

### M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

### Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

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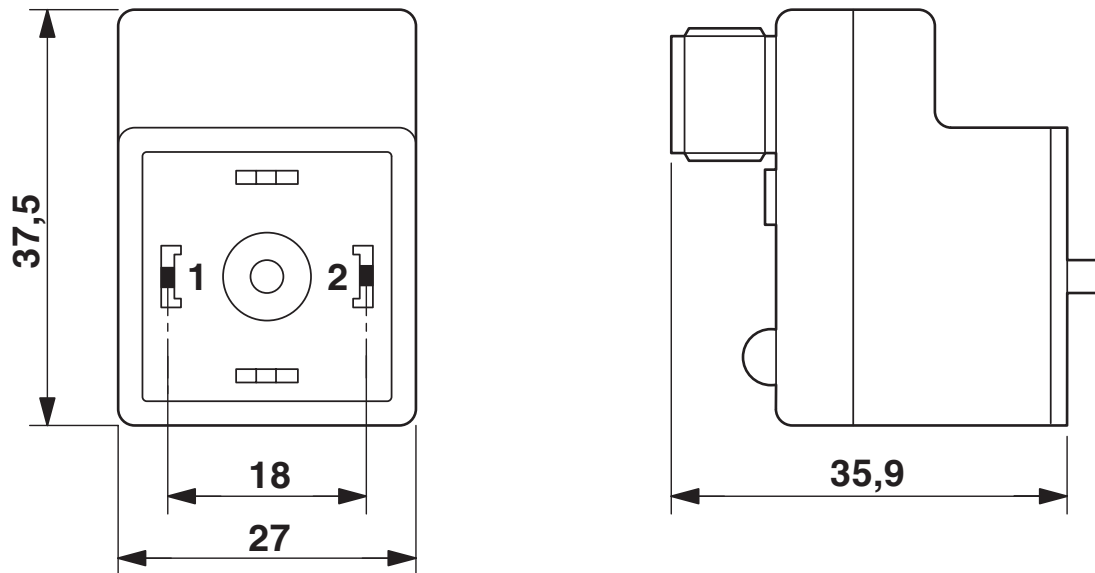


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## Drawings

Dimensional drawing



Valve connector, type A with vertical M12 plug

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Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

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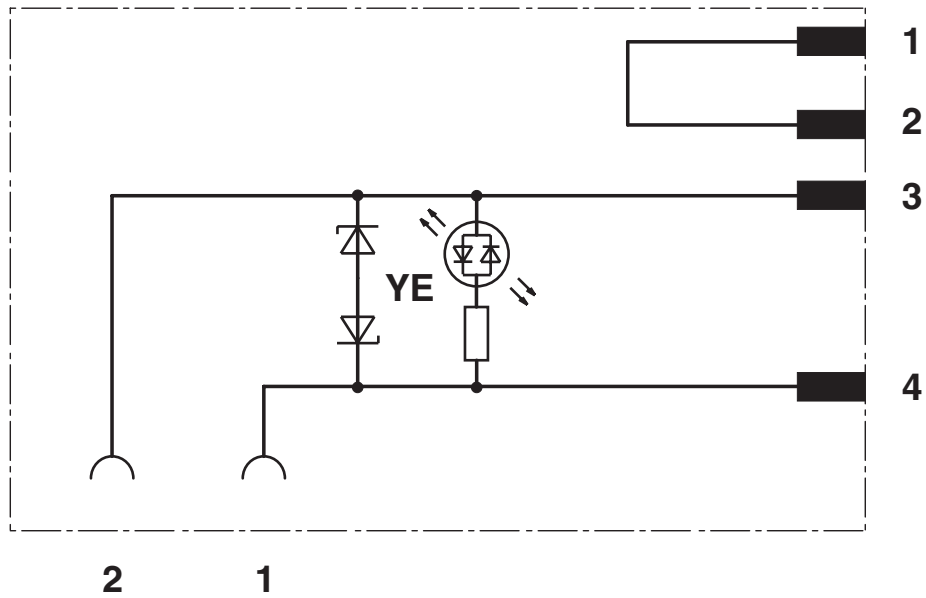
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Schematic diagram



Valve connector pin assignment, type A

Circuit diagram



Pin 1 / 2 = Diagnostics

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## Classifications

### ECLASS

ECLASS-13.0	27440105
ECLASS-15.0	27440105

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)