

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



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
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	00
Product Key	BF1GDA
Catalog Page	Page 173 (PC-2011)
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 - standard

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Color	black
Flammability rating according to UL 94	V0
Sealing 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
Cable gland material	Zinc die-cast, nickel-plated

Electrical properties

Contact resistance	≤ 15 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	24 V AC
	24 V DC
Nominal current I_N	4 A
Protective circuit	Z diode

LED signaling

Status display	Yellow LED
Status display present	yes

Connection data

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

Connector

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Insertion/withdrawal cycles	≥ 100
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Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	A

Connection 2

Head design	Valve connector
Head thread type	A (DESINA)
Status indicator head	1 LED

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (valve plug)

Standards and regulations

M12

Standards/specifications	IEC 61076-2-101
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Valve connector

Standards/specifications	EN 175301-803
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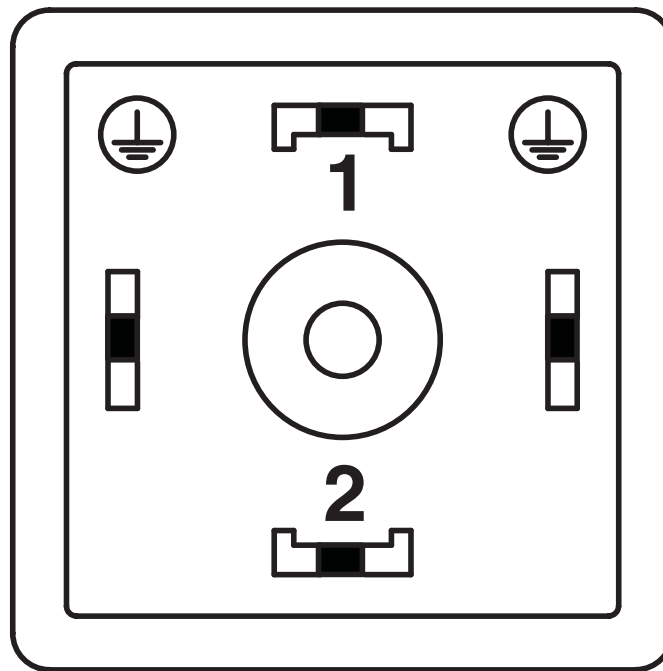
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1696170

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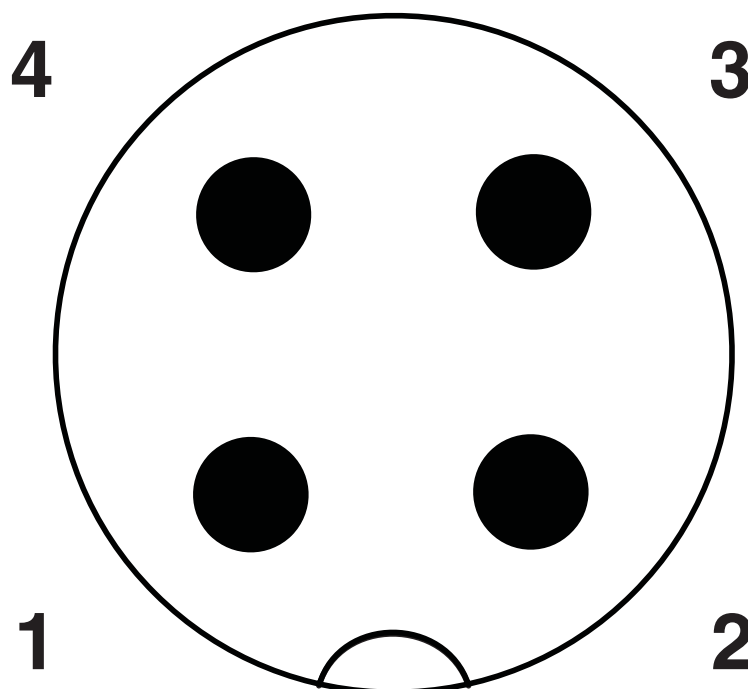
Drawings

Schematic diagram



Valve connector pin assignment, type A

Schematic diagram



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

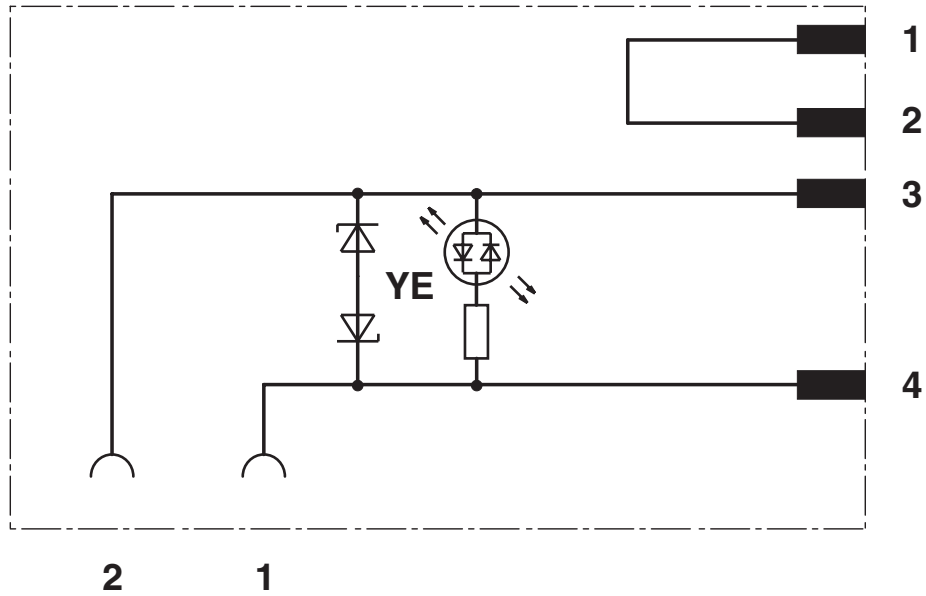
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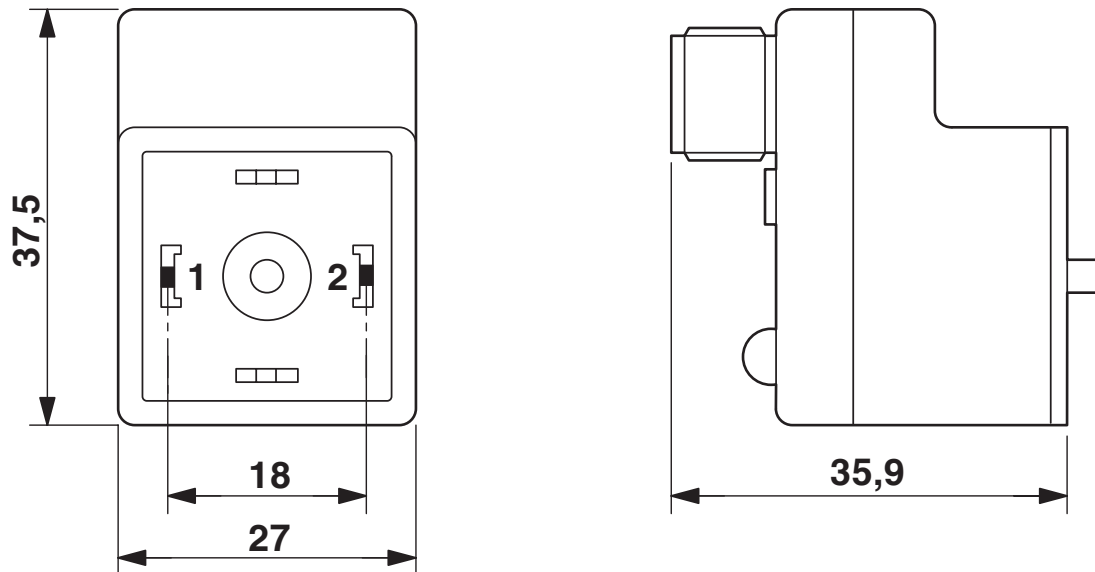
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Circuit diagram



Dimensional drawing



Valve connector, type A with vertical M12 plug

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Classifications

ECLASS

ECLASS-11.0

27440105

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