Valve connectors - SAC-3P-M12MS/A-1L-S

1505258

https://www.phoenixcontact.com/us/products/1505258

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Valve connector type A, PE bridged, 18 mm contact spacing, vertical connector M12

Commercial Data

Item number	1505258
Packing unit	1 pc
Minimum order quantity	5 pc
Note	Made to Order (non-returnable)
Sales Key	00
Product Key	BF1GDA
Catalog Page	Page 172 (PC-2011)
GTIN	4017918857042
Weight per Piece (including packing)	38.62 g
Weight per Piece (excluding packing)	35.68 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	3
No. of cable outlets	1
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
Material of grip body	TPU, hardly inflammable, self-extinguishing
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

Insertion/withdrawal cycles	≥ 100

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
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

Valve connector

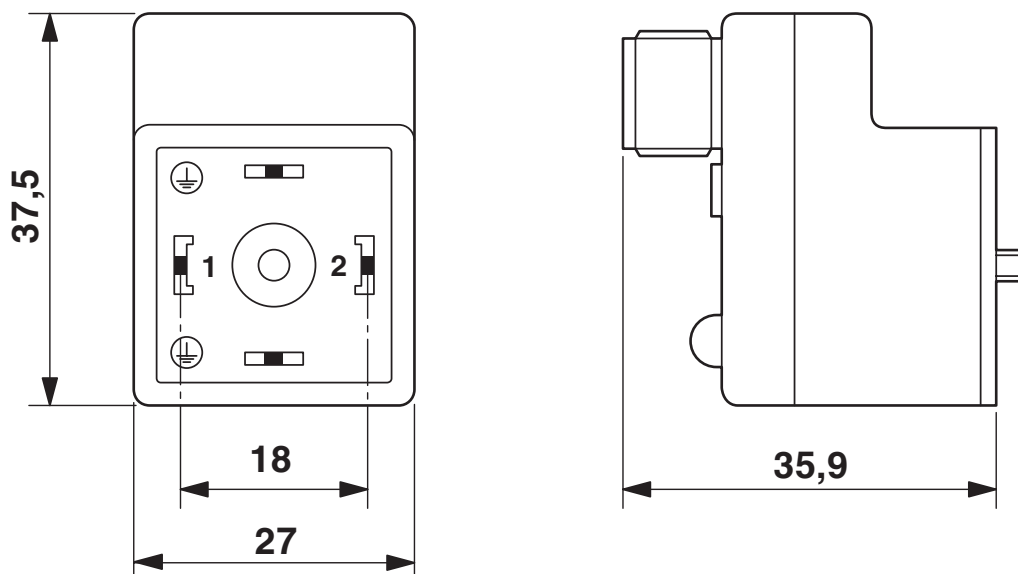| Standards/specifications	EN 175301-803

Drawings

Schematic diagram
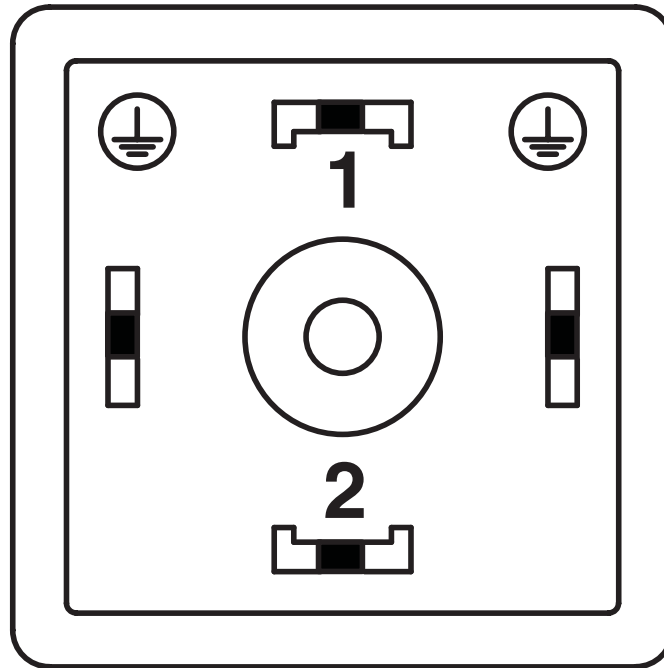
Valve connector pin assignment, type A

Dimensional drawing
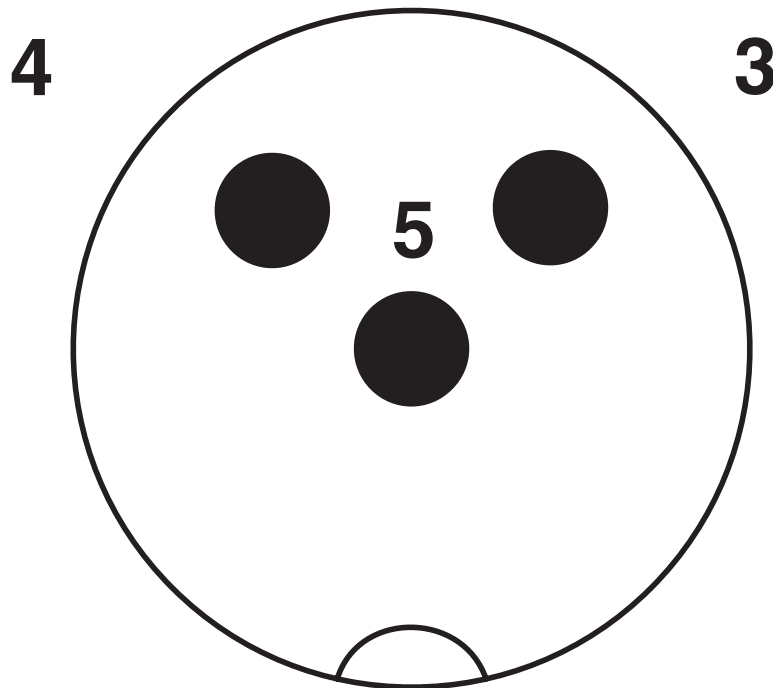

Valve connector, type A with vertical M12 plug

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Schematic diagram

4 **3**

5

Pin assignment M12 plug, 3-pos., A-coded, view male side

Circuit diagram

YE

3

4

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2 **1** **PE** **PE**
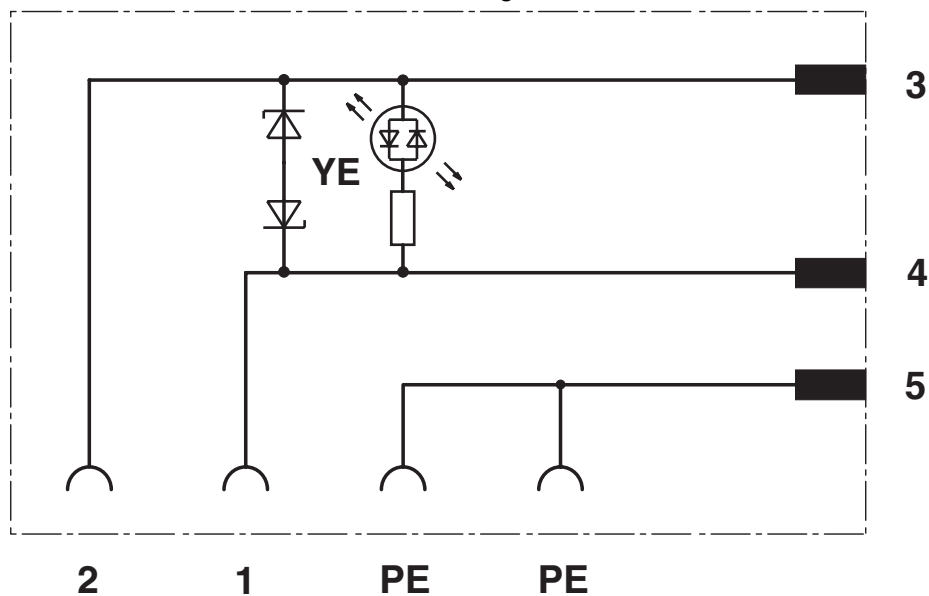
Classifications

ECLASS

ECLASS-11.0	27440105

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Accessories

Sensor/actuator cable

Sensor/actuator cable - SAC-3P-M12MS/3,0-PUR/M12FS 345 - 1402560

https://www.phoenixcontact.com/us/products/1402560

Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 3 m, For valve connector

Sensor/actuator cable

Sensor/actuator cable - SAC-3P-M12MS/5,0-PUR/M12FS 345 - 1402561

https://www.phoenixcontact.com/us/products/1402561

Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 5 m, For valve connector

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Sensor/actuator cable

Sensor/actuator cable - SAC-3P-M12MS/10,0-PUR/M12FS 345 - 1402562

https://www.phoenixcontact.com/us/products/1402562

Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 10 m, For valve connector