

SAC-3P-MR/BI SCO - Valve connectors



1409337

<https://www.phoenixcontact.com/us/products/1409337>

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Valve connectors, 3-position, Plug angled M12, coding: A, on Valve connector BI (11 mm)

Commercial data

Item number	1409337
Packing unit	1 pc
Minimum order quantity	25 pc
Note	Made to order (non-returnable)
Product key	BF1GDA
GTIN	4055626070193
Weight per piece (including packing)	25.6 g
Weight per piece (excluding packing)	25.6 g
Country of origin	PL

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Technical data

Product properties

Product type	Valve connector adapter
Number of positions	3
No. of cable outlets	1
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Connection data

Connection method	M12 connector
Tightening torque	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
Protective circuit	unwired

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Material specifications

Flammability rating according to UL 94	HB
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn
Material for screw connection	Zinc die-cast, nickel-plated

Signaling

Status display present	No
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Connector

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Connection 1

Type	Plug angled M12
Number of positions	3
Coding type	A

Connection 2

Type	Valve connector BI (11 mm)
Number of positions	3
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)

Environmental and real-life conditions

Ambient conditions

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

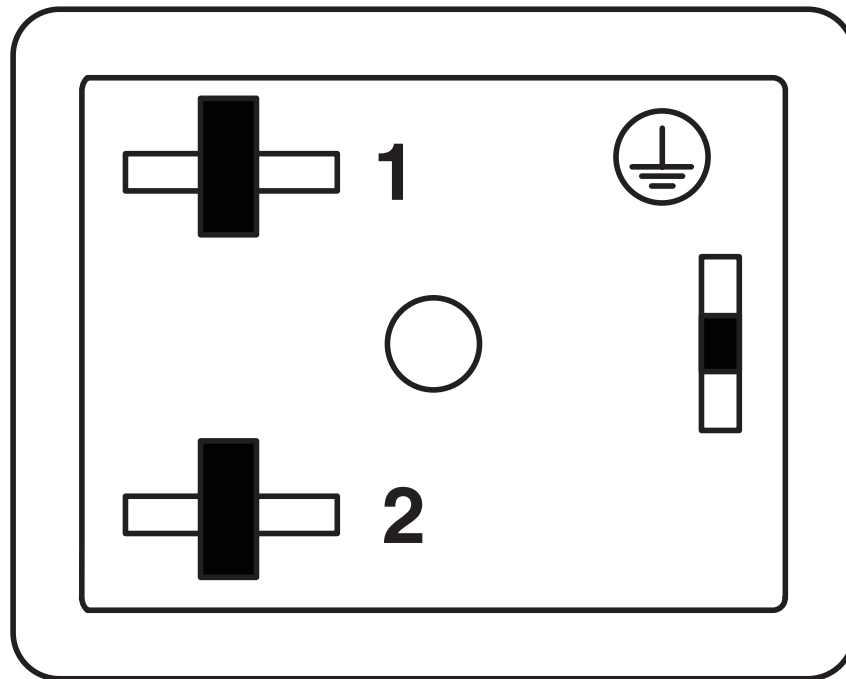
Standards and regulations

M12

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

Drawings

Schematic diagram



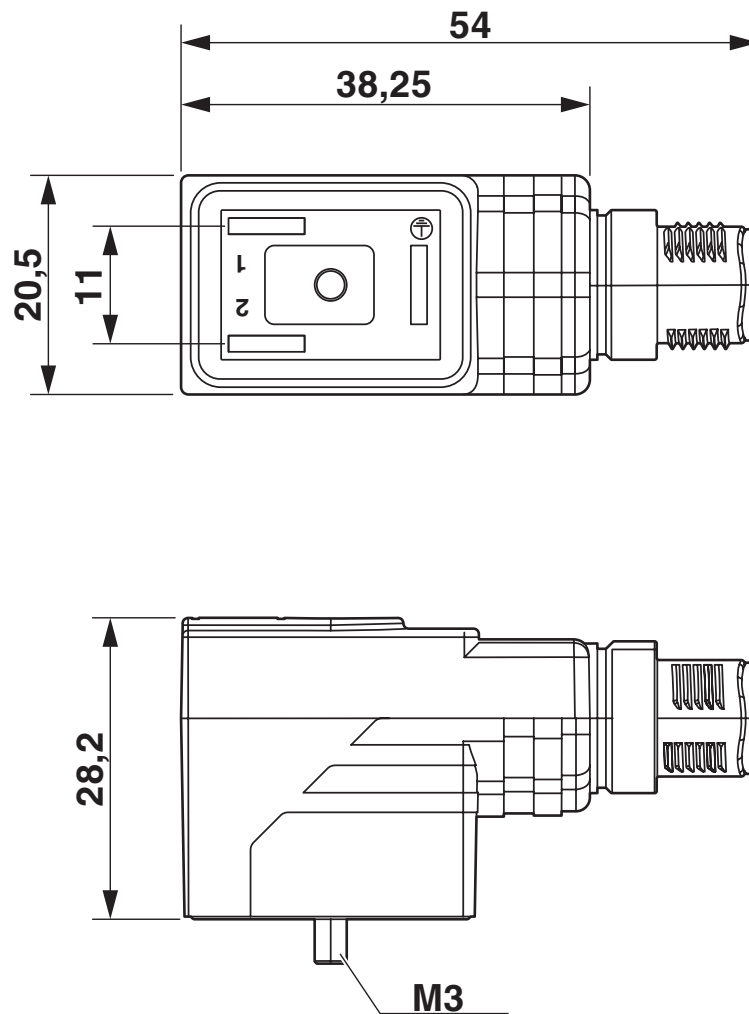
Valve connector pin assignment, type BI

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Dimensional drawing

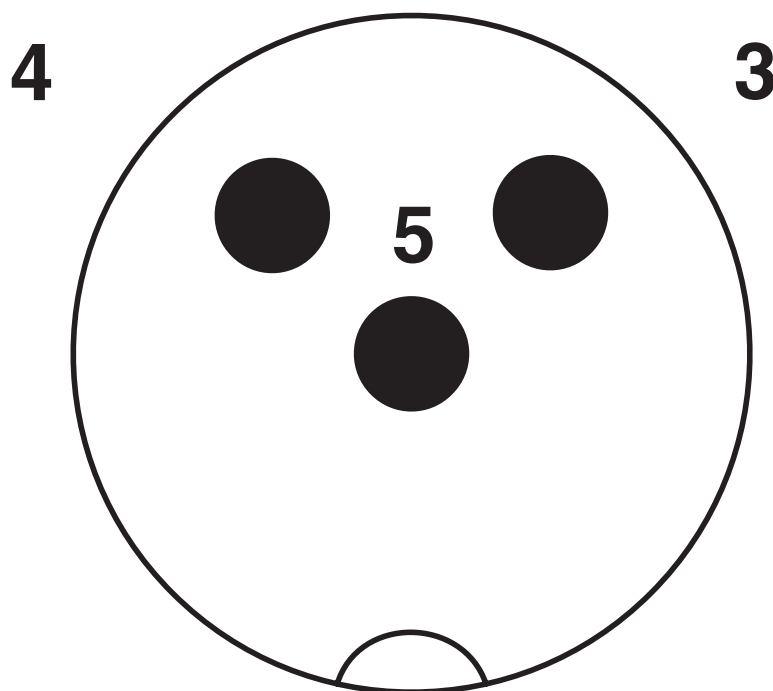


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Schematic diagram



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

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Classifications

ECLASS

ECLASS-11.0	27440105
ECLASS-12.0	27440105
ECLASS-13.0	27440105

ETIM

ETIM 9.0	EC003623
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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
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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Accessories

SAC-3P-FS SCO V/.../... - Connecting cable

1406702

<https://www.phoenixcontact.com/us/products/1406702>



Connecting cable, 3-position, free cable end, on Socket straight M12 SPEEDCON, coding: A, cable length: Free input (0.2 ... 40.0 m), for valve plug adapters

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

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

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

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

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

1402562

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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

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TSD-M 1,2NM - Torque screwdriver

1212224

<https://www.phoenixcontact.com/us/products/1212224>



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

SF-BIT-PH 1-70 - Screw insert

1212582

<https://www.phoenixcontact.com/us/products/1212582>



Screw bit, PH crosshead, E6.3-1/4" drive, size: PH 1 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

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