SAC-3P-MR/BI-1L-Z SCO 180 - Valve connector

1409724

https://www.phoenixcontact.com/us/products/1409724

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Valve connector, 3-position, Plug angled M12, coding: A, on Valve connector BI (11 mm), with 1 LED, Wiring: Z diode, Pin connector pattern of valve plug rotated 180°

Commercial data

Item number	1409724
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GDA
GTIN	4046356900683
Weight per piece (including packing)	25.7 g
Weight per piece (excluding packing)	25.7 g
Customs tariff number	85444290
Country of origin	PL

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	≥ 100 MΩ
Nominal voltage U_N	24 V AC
	24 V DC
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Material specifications

Flammability rating according to UL 94	HB
Seal material	TPU (Seal molded)
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	LED (yellow)
Status display present	yes

Connector

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 carrier)
	TPU (Housing)
Protective circuit	Z diode

Environmental and real-life conditions

Ambient conditions

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

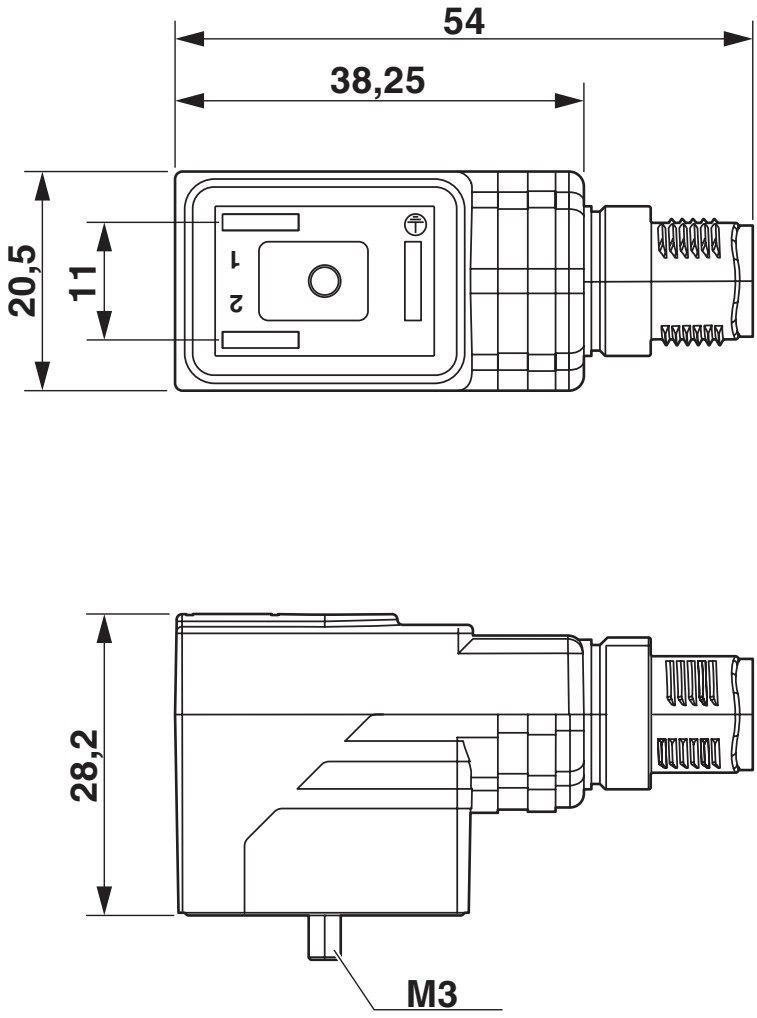
Standards and regulations

M12

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

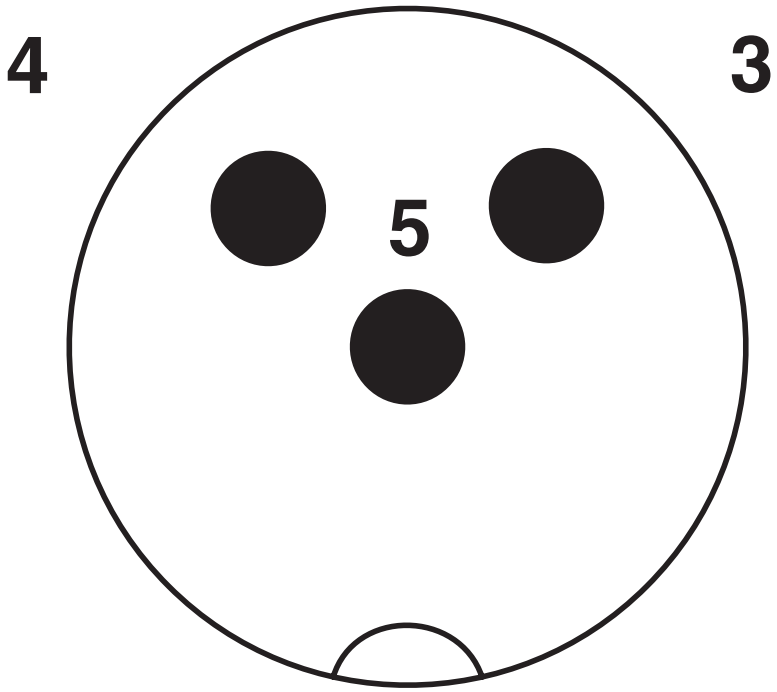
Drawings

Dimensional drawing



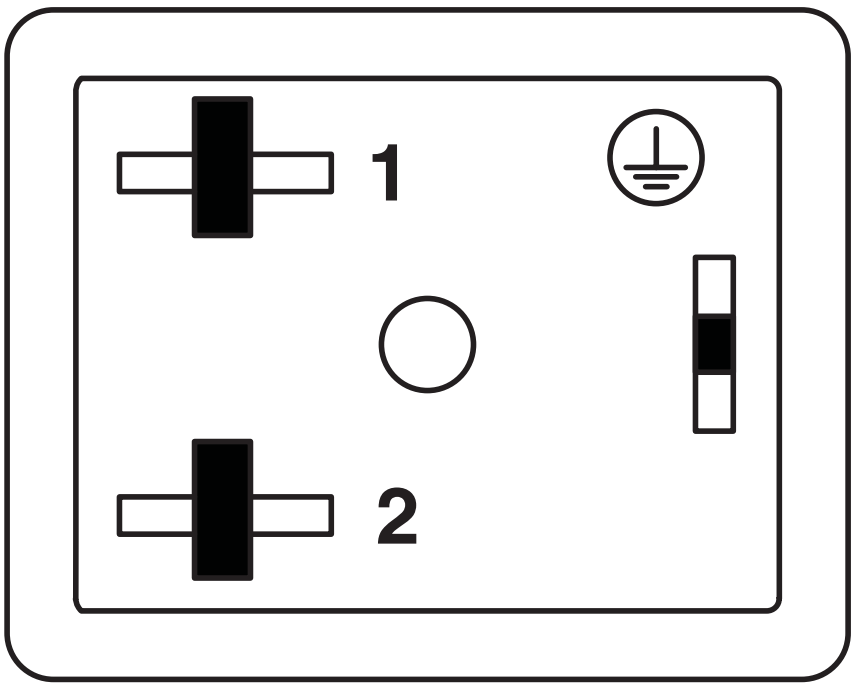
as illustrated, but with cable outlet rotated 180°

Schematic diagram



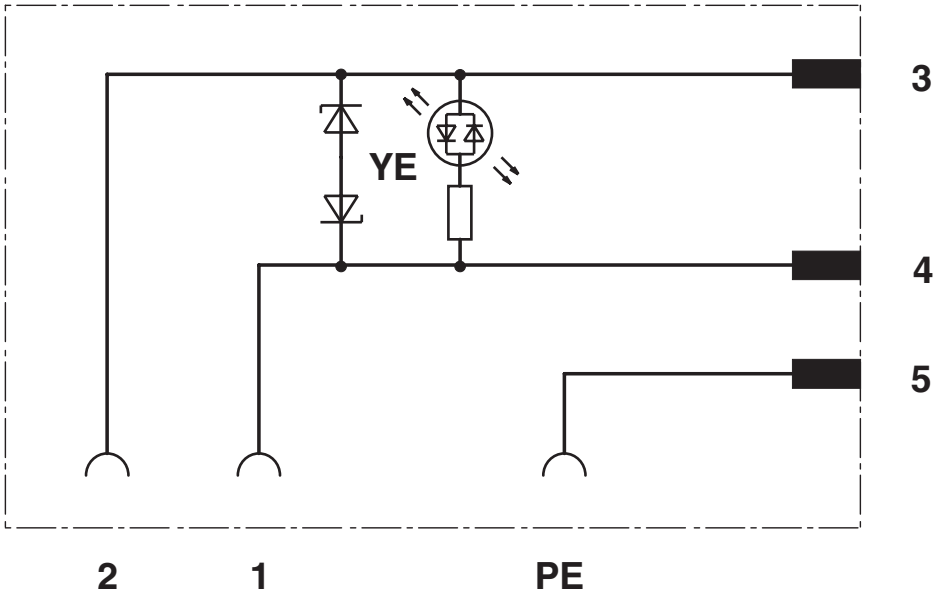
Pin assignment M12 plug, 3-pos., A-coded, view male side

Schematic diagram



Valve connector pin assignment, type BI

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1409724

CSAus
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	24 V	4 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440105
ECLASS-15.0	27440105

ETIM

ETIM 10.0	EC003623

UNSPSC

UNSPSC 21.0	31251500

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.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	0.63 kg CO2e

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