

SAC-5P-MR/AD-2L SCO - Valve connectors



1458606

<https://www.phoenixcontact.com/no/products/1458606>

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Valve connectors, 5-position, Plug angled M12 SPEEDCON, coding: A, with 2 LEDs, on Valve connector AD (Druckschalter), with 2 LEDs

Commercial data

Item number	1458606
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBFS
Product key	BF1GDA
Catalog page	Page 256 (C-2-2019)
GTIN	4046356639057
Weight per piece (including packing)	31.3 g
Weight per piece (excluding packing)	30.3 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Mounting

Connection method	M12 connector
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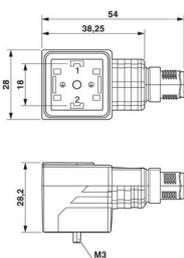
Product properties

Product type	Valve connector adapter
Number of positions	5
No. of cable outlets	1
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	28 mm
Height	28.2 mm
Length	54 mm

Connection data

Connection method	M12 connector
Tightening torque	0.6 Nm (valve plug)

Electrical properties

Contact resistance	$\leq 5 \text{ m}\Omega$
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

Valve connector characteristics

Fixing screws	M3 x 29
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Mechanical properties

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Mechanical data

Insertion/withdrawal cycles	50 (valve plug)
	≥ 100 (M12 connector)

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	2 LEDs
Status display present	Yes

Connector

Connection 1

Type	Plug angled M12 SPEEDCON
Number of positions	5
Locking type	SPEEDCON
Coding type	A

Connection 2

Type	Valve connector AD (Druckschalter)
Number of positions	5
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

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

Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

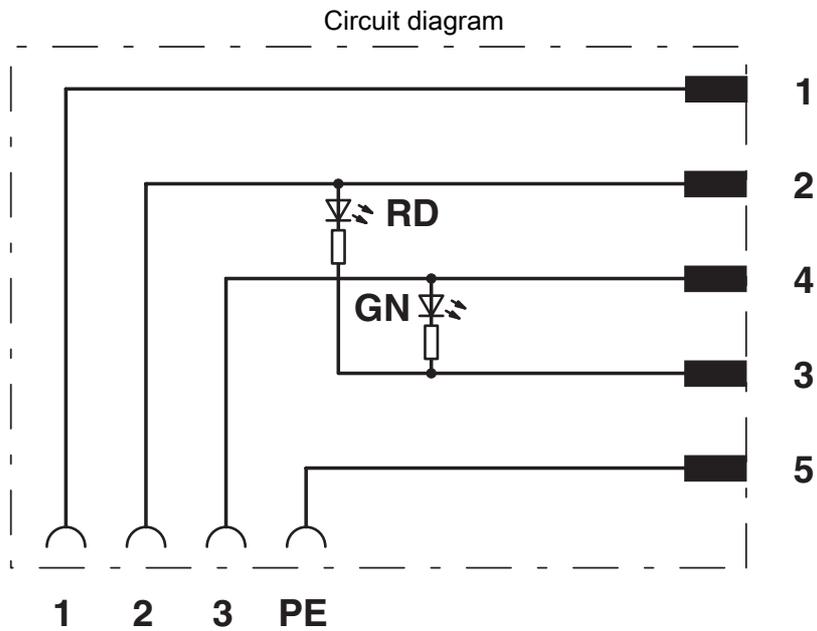
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Drawings

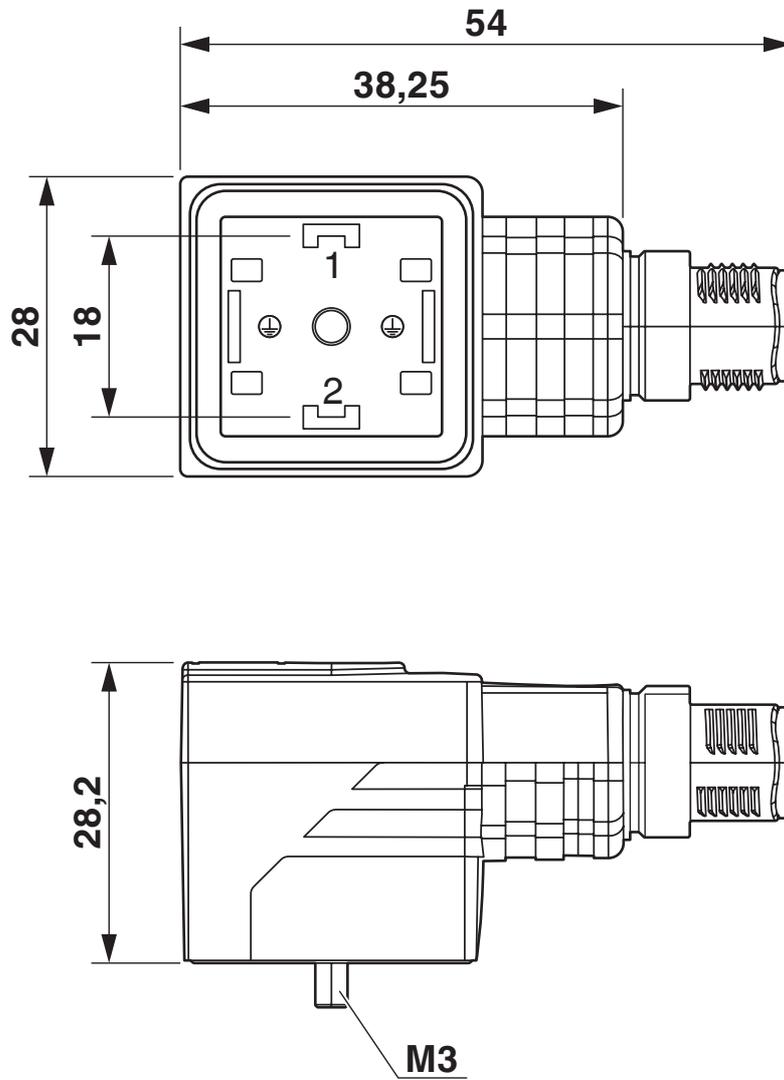


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Dimensional drawing

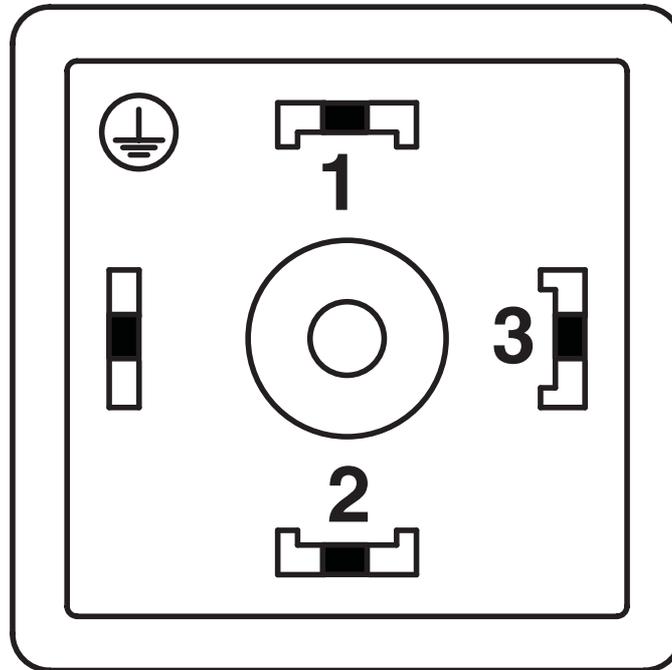


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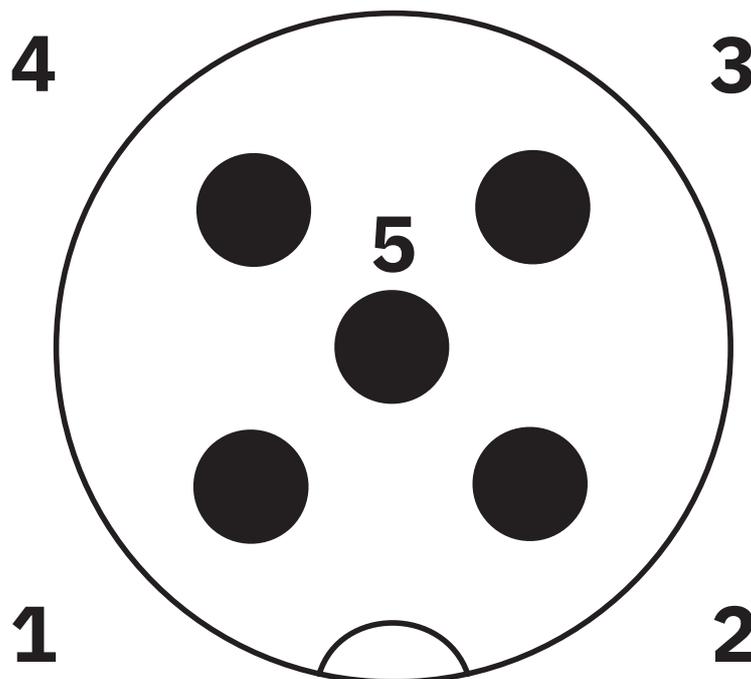
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Schematic diagram



Valve plug connector pin assignment, type AD

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1458606>

DNV

Approval ID: TAE00002K4



EAC

Approval ID: RU C-DE.AI30.B.01102



EAC

Approval ID: RU C-DE.BL08.B.00511



CSAus

Approval ID: 13631

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

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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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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