

SAC-2P-MS/0,25-PUR/ZC-1L-S STS - Sensor/actuator cable



1566491

<https://www.phoenixcontact.com/us/products/1566491>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Sensor/actuator cable, 2-pos, PUR/PVC gray, straight M12 SPEEDCON plug on valve connector type MSZC, with one LED, cable length: 0.25 m

As illustrated but with self-tapping screw

Commercial data

Item number	1566491
Packing unit	50 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Sales key	BF19
Product key	AF1CBA
GTIN	4046356323987
Weight per piece (including packing)	22.72 g
Weight per piece (excluding packing)	14.509 g
Customs tariff number	85444290
Country of origin	PL

SAC-2P-MS/0,25-PUR/ZC-1L-S STS - Sensor/actuator cable



1566491

<https://www.phoenixcontact.com/us/products/1566491>

Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Connection data

Conductor connection

Tightening torque	0.4 Nm
-------------------	--------

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material housing valve plug	TPE-U
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Contact material	CuSn

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	250 V AC
	250 V DC
Nominal current I_N	4 A

Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

Type	Plug straight M12 SPEEDCON
Number of positions	3
Locking type	SPEEDCON
Coding type	A
	CuSn (Contact)

SAC-2P-MS/0,25-PUR/ZC-1L-S STS - Sensor/actuator cable



1566491

<https://www.phoenixcontact.com/us/products/1566491>

Material	Ni/Au (Contact surface)
	TPU GF (Contact carrier)

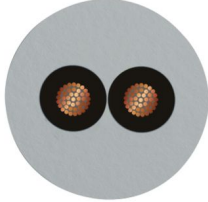
Connection 2

Type	Valve connector Festo ZC
Number of positions	3
Material	CuSn (Contact)
	TPE-U (Housing)
Protective circuit	Protective circuit and holding current reduction

Cable/line

Cable length	0.25 m
--------------	--------

PUR gray [PUR]

Dimensional drawing	
Number of positions	2
Shielded	no
Cable type	PUR gray [PUR]
AWG signal line	24
Conductor cross-section	2x 0.25 mm ² (Signal line)
External cable diameter	3.40 mm
Outer sheath, material	PUR
External sheath, color	gray RAL 7001
Conductor material	Bare Cu litz wires
Single wire, color	black, black
Ambient temperature (operation)	-10 °C ... 50 °C (cable, fixed installation)
	-10 °C ... 50 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (M12 connector)
	IP67 (M12 connector)
	IP65 (Valve connector)
Ambient temperature (operation)	-10 °C ... 50 °C (Valve connector)
	-10 °C ... 50 °C (Valve connector)
	-30 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 70 °C (Cable, flexible installation)

SAC-2P-MS/0,25-PUR/ZC-1L-S STS - Sensor/actuator cable



1566491

<https://www.phoenixcontact.com/us/products/1566491>

Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060312

ETIM

ETIM 10.0	EC001855
-----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

SAC-2P-MS/0,25-PUR/ZC-1L-S STS - Sensor/actuator cable



1566491

<https://www.phoenixcontact.com/us/products/1566491>

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	5.115 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com