

SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable



1400783

<https://www.phoenixcontact.com/in/products/1400783>

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, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, with 1 LED, on Valve connector CI (9.4 mm), with 1 LED, Wiring: Z diode, cable length: 3 m

Commercial data

Item number	1400783
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	AF1DOA
GTIN	4046356510943
Weight per piece (including packing)	112.1 g
Weight per piece (excluding packing)	112.1 g
Customs tariff number	85444290
Country of origin	PL

SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable



1400783

<https://www.phoenixcontact.com/in/products/1400783>

Technical data

Product properties

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

Electrical properties

Nominal voltage U_N	24 V AC
	24 V DC

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	------------

Signaling

Status display	1 LED
Status display present	Yes

Connector

Connection 1

Type	Plug straight M12
Number of positions	3
Coding type	A

Connection 2

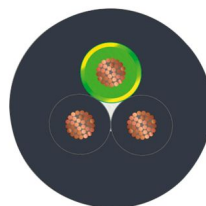
Type	Valve connector CI (9.4 mm)
Number of positions	3

Cable/line

Cable length	3 m
--------------	-----

PUR halogen-free black [PUR]

Dimensional drawing



Cable weight	30 kg/km
UL AWM Style	20549
Number of positions	3

SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable



1400783

<https://www.phoenixcontact.com/in/products/1400783>

Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	28x 0.15 mm
AWG signal line	20
Conductor cross section	3x 0.5 mm²
Wire diameter incl. insulation	1.5 mm ±0.05 mm (Signal line)
External cable diameter	4.50 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
Max. conductor resistance	39 Ω/km (at 20 °C)
Insulation resistance	min. 20 MΩ*km
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 1200 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	22.5 mm
Smallest bending radius, movable installation	45 mm
Dynamic load capacity (bending)	Max. bending cycles: 15000000, Bending radius: 50 mm, Traversing path: 0.9 m, Traversing rate: 5 m/s, Acceleration: 30 m/s²
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	according to DIN VDE 0482
	According to DIN EN 50265-2-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	largely oil-resistant
	partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-20 °C ... 85 °C (valve plug)

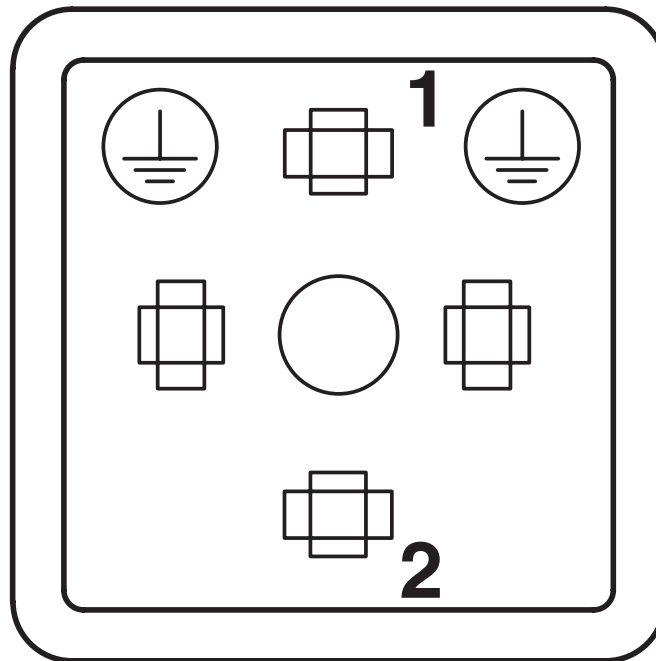
SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable

1400783

<https://www.phoenixcontact.com/in/products/1400783>

Drawings

Schematic diagram



SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable



1400783
<https://www.phoenixcontact.com/in/products/1400783>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1400783>

 CSAus Approval ID: 13631	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	24 V	4 A	-	-

SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable



1400783

<https://www.phoenixcontact.com/in/products/1400783>

Classifications

ECLASS

ECLASS-11.0	27060312
ECLASS-12.0	27060312
ECLASS-13.0	27060312

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

UNSPSC 21.0	31251500
-------------	----------

SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable



1400783

<https://www.phoenixcontact.com/in/products/1400783>

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.)	Diboron trioxide(CAS: 1303-86-2)
	Lead monoxide (lead oxide)(CAS: 1317-36-8)
SCIP	108a285d-b808-4514-a3c0-cc6d6448c921

SAC-3P-M12MS/3,0-PUR/CI-1L-Z - Sensor/actuator cable



1400783

<https://www.phoenixcontact.com/in/products/1400783>

Accessories

SAC-V-SCREW-M3-29 KNURL - Screw

1403779

<https://www.phoenixcontact.com/in/products/1403779>

Fillister head screw with plastic knurl, M3 x 40



Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in