

# SAC-5P-M12MS/25,0-PUR/M12FS - Sensor/actuator cable



1052840

<https://www.phoenixcontact.com/us/products/1052840>

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, 5-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 25 m

## Commercial data

Item number	1052840
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF03
Product key	AF1CDA
GTIN	4055626677170
Weight per piece (including packing)	802 g
Weight per piece (excluding packing)	780.3 g
Customs tariff number	85444290
Country of origin	DE

# SAC-5P-M12MS/25,0-PUR/M12FS - Sensor/actuator cable



1052840

<https://www.phoenixcontact.com/us/products/1052840>

## Technical data

### Product properties

Product type	Sensor/actuator cable
Number of positions	5
Shielded	no

### Connector

#### Connection 1

Type	Plug straight M12
Number of positions	5
Coding type	A

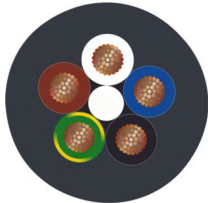
#### Connection 2

Type	Socket straight M12
Number of positions	5
Coding type	A

### Cable/line

Cable length	25 m
--------------	------

#### PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	33 kg/km
UL AWM Style	20549
Number of positions	5
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross section	5x 0.34 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.27 mm 0.05 mm (Signal line)
External cable diameter	4.55 mm ±0.15 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP

# SAC-5P-M12MS/25,0-PUR/M12FS - Sensor/actuator cable



1052840


<https://www.phoenixcontact.com/us/products/1052840>


Single wire, color	brown, white, blue, black, green-yellow
Thickness, insulation	approx. 0.50 mm
Max. conductor resistance	max. 58 $\Omega$ /km (at 20 °C)
Insulation resistance	$\geq 16 \text{ G}\Omega \cdot \text{km}$ (at 20 °C)
Nominal voltage, cable	300 V
Test voltage	3000 V
Smallest bending radius, fixed installation	23 mm
Smallest bending radius, movable installation	46 mm
Dynamic load capacity (bending)	Max. bending cycles: 10000000, Bending radius: 46 mm, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s <sup>2</sup>
Dynamic load capacity (torsion)	Torsion: $\pm 180^\circ/\text{m}$ , Torsion cycles: $\geq 2000000$ , Torsional frequency: 35 cycles/min.
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant Resistant to salt water partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Special properties	Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish flexible
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -25 °C ... 80 °C (Cable, flexible installation)

1052840  
<https://www.phoenixcontact.com/us/products/1052840>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1052840>

<div> <b>UL Listed</b> Approval ID: FILE E 221474</div>				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	125 V	4 A	-	-

<div> <b>cUL Listed</b> Approval ID: FILE E 221474</div>				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	125 V	4 A	-	-

# SAC-5P-M12MS/25,0-PUR/M12FS - Sensor/actuator cable



1052840

<https://www.phoenixcontact.com/us/products/1052840>

## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### ETIM

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

### UNSPSC

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

# SAC-5P-M12MS/25,0-PUR/M12FS - Sensor/actuator cable



1052840

<https://www.phoenixcontact.com/us/products/1052840>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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](mailto:info@phoenixcon.com)