

# SAC-2P- 0,5-PUR/M12FS PR DVS - Sensor/actuator cable



1574878

<https://www.phoenixcontact.com/us/products/1574878>

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-position, PUR/PVC, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 0.5 m

## Commercial data

Item number	1574878
Packing unit	100 pc
Minimum order quantity	100 pc
Product key	AF1CBA
GTIN	4046356447331
Weight per piece (including packing)	29.1 g
Weight per piece (excluding packing)	29.1 g
Country of origin	PL

# SAC-2P- 0,5-PUR/M12FS PR DVS - Sensor/actuator cable



1574878

<https://www.phoenixcontact.com/us/products/1574878>

## Technical data

### Product properties

Product type	Sensor/actuator cable
Number of positions	2
Shielded	no

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Nominal voltage $U_N$	250 V AC
	250 V DC
Nominal current $I_N$	4 A

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
-----------------------------	------------

### Connection data

#### Conductor connection

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

### Connector

#### Connection 1

Type	free cable end
------	----------------

#### Connection 2

Type	Socket straight M12
Number of positions	2
Coding type	A

### Cable/line

Cable length	0.5 m
Cable weight	34 kg/km
UL AWM Style	20549
Number of positions	2
Shielded	no
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross-section	0.34 mm <sup>2</sup>
Wire diameter incl. insulation	1.5 mm $\pm$ 0.05 mm

# SAC-2P- 0,5-PUR/M12FS PR DVS - Sensor/actuator cable



1574878

<https://www.phoenixcontact.com/us/products/1574878>

External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue
Thickness, insulation	≥ 0.23 mm (Core insulation) ≥ 0.38 mm (Outer cable sheath)
Overall twist	2 wires, twisted
Max. conductor resistance	max. 58 Ω/km (at 20 °C)
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Dynamic load capacity (bending)	Max. bending cycles: 2000000, Bending radius: 52 mm, Traversing path: 5 m, Traversing rate: 3 m/s
Flame resistance	in accordance with DIN UL-Style 20549
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket) -25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

# SAC-2P- 0,5-PUR/M12FS PR DVS - Sensor/actuator cable



1574878

<https://www.phoenixcontact.com/us/products/1574878>

## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### UNSPSC

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

# SAC-2P- 0,5-PUR/M12FS PR DVS - Sensor/actuator cable



1574878

<https://www.phoenixcontact.com/us/products/1574878>

## 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 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](mailto:info@phoenixcon.com)