

# SAC-3P- 0,32-PUR/M8FR OE-TF - Sensor/actuator cable



1402228

<https://www.phoenixcontact.com/us/products/1402228>

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-pos., PUR black RAL 9005, free conductor end 80 mm, angled on M8 socket, cable length: 0.32 m, coding rotated 180°

## Commercial data

Item number	1402228
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Product key	AF1BBA
GTIN	4046356589246
Weight per piece (including packing)	12.84 g
Weight per piece (excluding packing)	12.43 g
Country of origin	DE

# SAC-3P- 0,32-PUR/M8FR OE-TF - Sensor/actuator cable

1402228

<https://www.phoenixcontact.com/us/products/1402228>

## Technical data

### Product properties

Product type	Sensor/actuator cable
Number of positions	3

### Electrical properties

Nominal voltage $U_N$	48 V AC
	60 V DC

### Connector

#### Connection 1

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

#### Connection 2

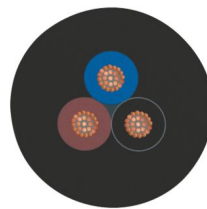
Type	Socket angled M8
Number of positions	3

### Cable/line

Cable length	0.32 m
--------------	--------

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

##### Dimensional drawing



Cable weight	23 kg/km
UL AWM Style	20549
Number of positions	3
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross-section	3x 0.34 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.27 mm ±0.02 mm (Signal line)
External cable diameter	3.85 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-3P- 0,32-PUR/M8FR OE-TF - Sensor/actuator cable



1402228

<https://www.phoenixcontact.com/us/products/1402228>

Single wire, color	brown, blue, black
Thickness, insulation	≥ 0.21 mm (Core insulation)
	approx. 0.50 mm (Outer cable sheath)
Overall twist	3 wires, twisted
Max. conductor resistance	max. 58 Ω/km (at 20 °C)
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Smallest bending radius, fixed installation	19 mm
Smallest bending radius, movable installation	38 mm
Dynamic load capacity (bending)	Max. bending cycles: 10000000, Bending radius: 38 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: ±180 °/m, Torsion cycles: ≥5000000, 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
	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
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (Cable, flexible installation)

# SAC-3P- 0,32-PUR/M8FR OE-TF - Sensor/actuator cable



1402228

<https://www.phoenixcontact.com/us/products/1402228>

## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### ETIM

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

### UNSPSC

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

# SAC-3P- 0,32-PUR/M8FR OE-TF - Sensor/actuator cable



1402228

<https://www.phoenixcontact.com/us/products/1402228>

## 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)