

# Sensor/actuator cable - SAC-4P-M5MS/ 0,2-PUR/M5MS - 1402841


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Sensor/actuator cable, 4-position, PUR, black RAL 9005, Plug straight M5, A-coded, on Plug straight M5, A-coded, cable length: 0.2 m

RoHS

## Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	 4 046356 633130
GTIN	4046356633130

## Technical data

### Dimensions

Length of cable	0.2 m
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67

### General

Rated current at 40°C	1 A
Rated voltage	48 V AC
	60 V DC
Number of positions	4
Insulation resistance	≥ 10 GΩ
Coding	A - standard
Standards/regulations	M5 connector IEC 61076-2-105
Status display	No
Overvoltage category	II
Degree of pollution	3

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## Technical data

### General

Insertion/withdrawal cycles	≥ 100
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### Material

Contact material	CuZn
Contact surface material	Au
Contact carrier material	PUR
Material of grip body	PUR
Material, knurls	Nickel-plated brass

### Standards and Regulations

Standard designation	M5 connector
Standards/regulations	IEC 61076-2-105

### Cable

Cable type	PUR/PVC black
Cable type (abbreviation)	350
Conductor cross section	4x 0.14 mm <sup>2</sup> (Signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	0.92 mm ±0.02 mm
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
External sheath, color	black RAL 9005
External cable diameter D	3.5 mm ±0.1 mm
Smallest bending radius, fixed installation	9 mm
Smallest bending radius, movable installation	18 mm
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	100 MΩ*km
Conductor resistance	148 Ω/km
Nominal voltage, cable	100 V
Test voltage, cable	800 V <sub>rms</sub>
Ambient temperature (operation)	-15 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

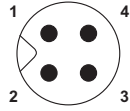
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

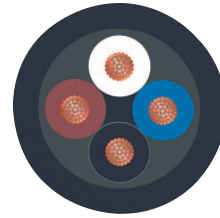
## Sensor/actuator cable - SAC-4P-M5MS/ 0,2-PUR/M5MS - 1402841

Schematic diagram



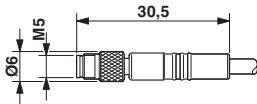
Plug M5, 4-pos.

Cable cross section



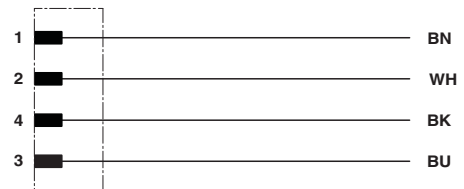
PUR/PVC black [350]

Dimensional drawing



Plug M5 x 0.5, straight

Circuit diagram



Contact assignment of the M5 connector

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