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Especialistas en Automatización

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## Sensor/Actuator cable - SAC-4P-10,0-PUR/M5FR - 1530579

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Sensor/Actuator cable, 4-position, PUR, black RAL 9005, free cable end, on Socket angled M5, A-coded, Cable length: 10 m

### Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Signal transmission in a confined space – with our M5 connectors

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 024372

### Technical data

#### Dimensions

Length of cable	10 m
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#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

#### General

Rated current at 40°C	1 A
Rated voltage	125 V
Number of positions	4
Insulation resistance	≥ 10 GΩ
Coding	A - standard
Standards/regulations	M5 connector IEC 61076-2-105
Status display	No
Protective circuit/component	Unwired
Overvoltage category	II
Degree of pollution	3
Test voltage	1750 V

# Sensor/Actuator cable - SAC-4P-10,0-PUR/M5FR - 1530579

## Technical data

### General

Insertion/withdrawal cycles	≥ 100
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### Material

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

### 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)

## Classifications

### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306

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## Classifications

### eCl@ss

eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218

### ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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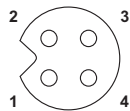
### Approval details

EAC
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## Drawings

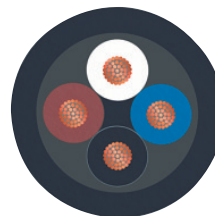
# Sensor/Actuator cable - SAC-4P-10,0-PUR/M5FR - 1530579

Schematic diagram



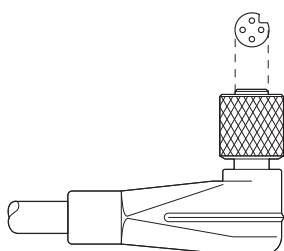
Socket M5, 4-pos.

Cable cross section



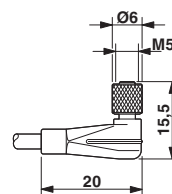
PUR/PVC black [350]

Schematic diagram



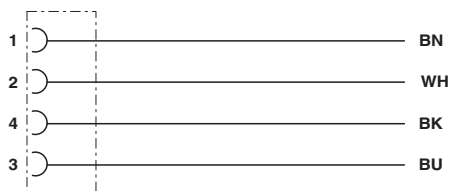
Layout of connector pin assignments

Dimensional drawing



Socket M5 x 0.5, angled

Circuit diagram



Contact assignment of the M5 socket

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