

## Sensor/Actuator cable - SAC-3P-M5MR/ 1,5-PUR - 1530346

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Sensor/Actuator cable, 3-position, PUR, Black RAL 9005, Plug angled M5, A-coded, on free cable end, Cable length: 1.5 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 pc
GTIN	 4 046356 024143
Weight per Piece (excluding packing)	24.9 g
Custom tariff number	85444290
Country of origin	Germany
Product key	BF1ABA

### Technical data

#### Dimensions

Length of cable	1.5 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	3
Contact resistance	≤ 3 mΩ

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### Technical data

#### General

Insulation resistance	≥ 10 GΩ
Coding	A - standard
Standards/regulations	M5 connector IEC 61076-2-105
Status display	No
Protective circuit/component	Unwired
Surge voltage category	II
Pollution degree	3
Test voltage	1750 V
Insertion/withdrawal cycles	≥ 100

#### Material

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

#### Cable

Cable type	PUR/PVC black
Conductor cross section	3x 0.14 mm <sup>2</sup> (signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1.1 mm
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	Black RAL 9005
External cable diameter D	3 mm ±0.2 mm
Smallest bending radius, fixed installation	8 mm
Smallest bending radius, movable installation	15 mm
Cable weight	12.9 kg/km
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	250 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)

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## Classifications

### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
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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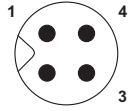
### Approval details

EAC
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## Drawings

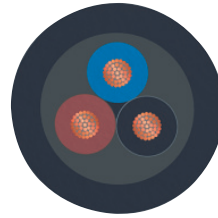
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Schematic diagram



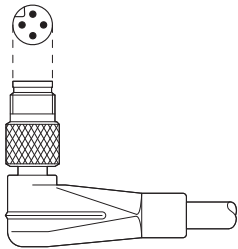
Plug M5, 3-pos.

Cable cross section



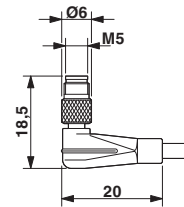
PUR/PVC black [350]

Schematic diagram



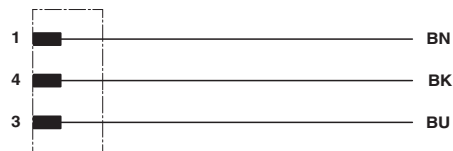
Layout of connector pin assignments

Dimensional drawing



Plug M5 x 0.5, angled

Circuit diagram



Contact assignment of the M5 connector