

# SAC-3P-10,0-PUR/M5FS - Sensor/actuator cable



1530456

<https://www.phoenixcontact.com/pc/products/1530456>

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Sensor/actuator cable, 3-position, PUR, black RAL 9005, free cable end, on Socket straight M5, coding: A

## Your advantages

- Easy and safe: 100 % electrically tested plug-in components

## Commercial data

Item number	1530456
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF1ABA
Catalog page	Page 190 (C-2-2017)
GTIN	4046356024259
Weight per piece (including packing)	124.6 g
Weight per piece (excluding packing)	124.6 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Seal material	NBR
Material of grip body	PUR
Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR
Material for screw connection	Brass, nickel-plated

### Electrical properties

Insulation resistance	$\geq 10 \text{ G}\Omega$
Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	1 A
Test voltage	1750 V

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
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### Signaling

Status display	no
Status display present	No

### Connector

#### Connection 1

Type	free cable end
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#### Connection 2

Type	Socket straight M5
Number of positions	3

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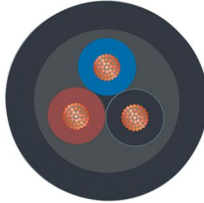
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Coding type	A
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## Cable/line

PUR/PVC black [350]

Dimensional drawing	
Cable weight	12.9 kg/km
Number of positions	3
Shielded	no
Cable type	PUR/PVC black [350]
Conductor structure signal line	18x 0.10 mm
AWG signal line	26
Conductor cross section	3x 0.14 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.1 mm
External cable diameter	3.00 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, black
Overall twist	3 wires, twisted
Max. conductor resistance	148 Ω/km
Insulation resistance	100 MΩ*km
Nominal voltage, cable	250 V
Test voltage	800 V <sub>rms</sub>
Smallest bending radius, fixed installation	8 mm
Smallest bending radius, movable installation	15 mm
Ambient temperature (operation)	-15 °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
	IP68
Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)

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## Standards and regulations

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

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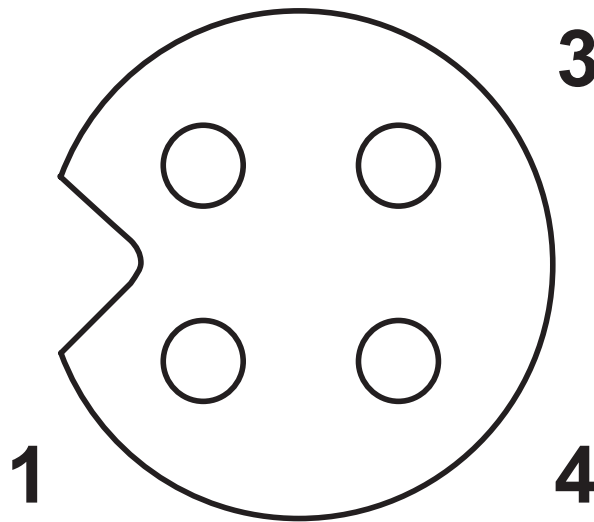


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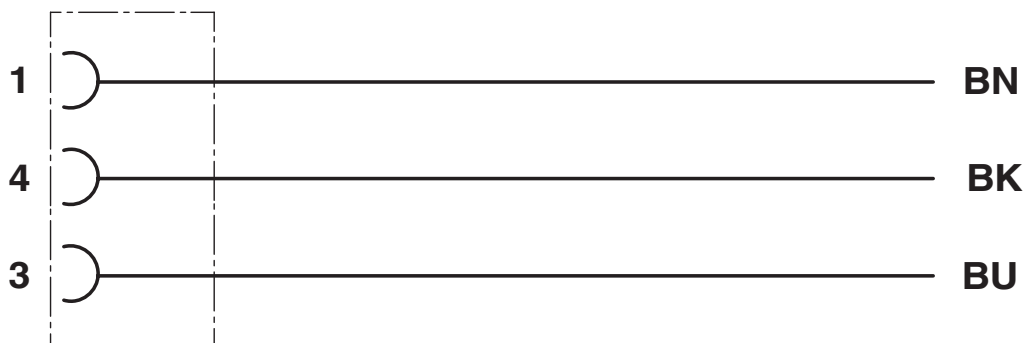
## Drawings

Schematic diagram



Socket M5, 3-pos.

Circuit diagram



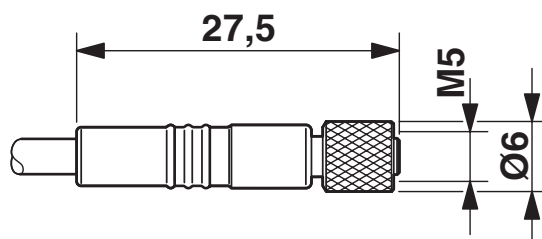
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Dimensional drawing



Socket M5 x 0.5, straight

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## Classifications

### ECLASS

ECLASS-11.0	27060311
ECLASS-13.0	27060311

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