

# SAC-4P-M 5FS/ 0,5-PUR/M 5FS - Sensor/actuator cable



1414438

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Sensor/actuator cable, 4-position, PUR, black RAL 9005, Socket straight M5, coding: A, on Socket straight M5, coding: A, cable length: 0.55 m

## Commercial data

Item number	1414438
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	B06
Product key	AF1ACA
GTIN	4055626028606
Weight per piece (including packing)	15.4 g
Weight per piece (excluding packing)	15.4 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Sensor/actuator cable
Number of positions	4
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

Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	1 A

### Signaling

Status display	no
Status display present	no

### Connector

#### Connection 1

Type	Socket straight M5
Number of positions	4
Coding type	A

#### Connection 2

Type	Socket straight M5
Number of positions	4
Coding type	A

### Cable/line

Cable length	0.55 m
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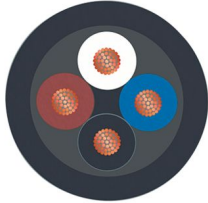
PUR/PVC black [350]

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Dimensional drawing	
Number of positions	4
Shielded	no
Cable type	PUR/PVC black [350]
Conductor structure signal line	18x 0.10 mm
AWG signal line	26
Conductor cross-section	4x 0.14 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	0.92 mm ±0.02 mm
External cable diameter	3.50 mm ±0.1 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, white, blue, black
Overall twist	4 wires, twisted
Max. conductor resistance	148 Ω/km
Insulation resistance	100 MΩ*km
Nominal voltage, cable	100 V
Test voltage	800 V <sub>rms</sub>
Smallest bending radius, fixed installation	9 mm
Smallest bending radius, movable installation	18 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
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 80 °C (Plug / socket)

## Standards and regulations

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

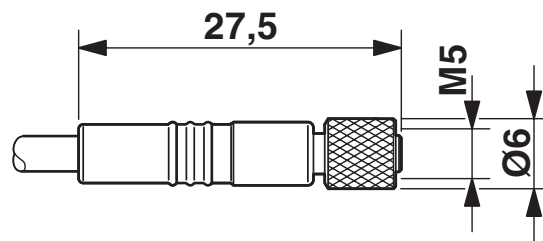
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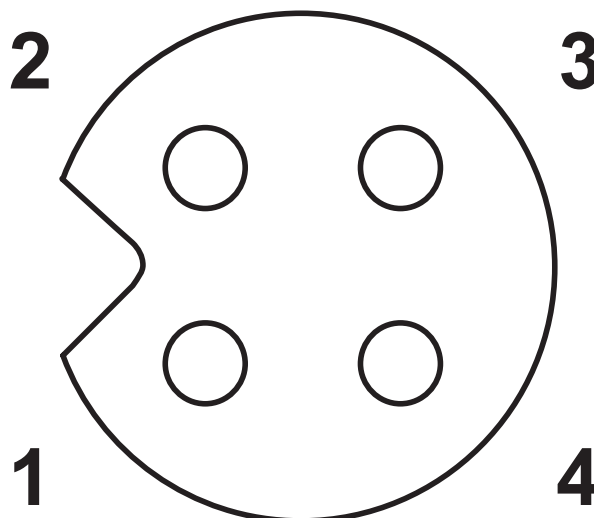
## Drawings

Dimensional drawing



Socket M5 x 0.5, straight

Schematic diagram



Socket M5, 4-pos.

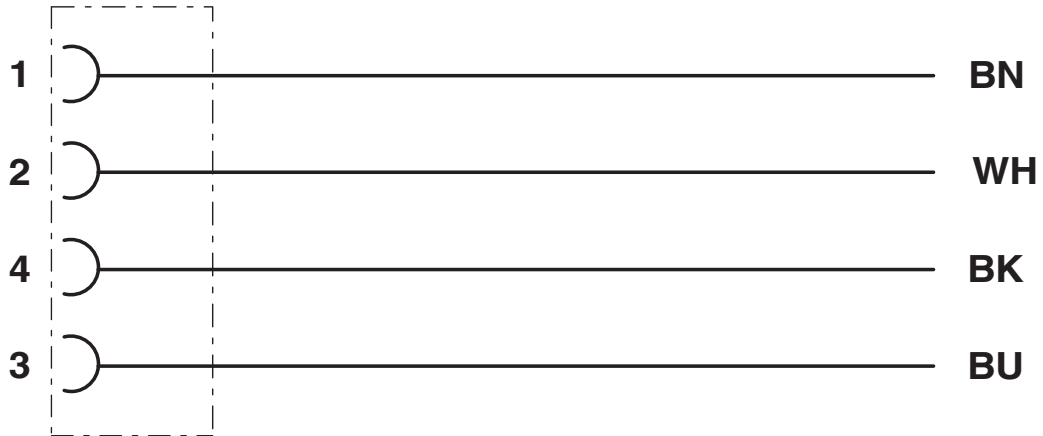
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Circuit diagram



Contact assignment of the M5 socket

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## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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