


## Sensor/actuator cable - SAC-4P-M 5FS/ 0,5-PUR/M 5FS - 1414438

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

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	 4 055626 028606
GTIN	4055626028606

### Technical data

#### Dimensions

Length of cable	0.55 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
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

#### Material

Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR
Material of grip body	PUR

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## Technical data

### Material

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)

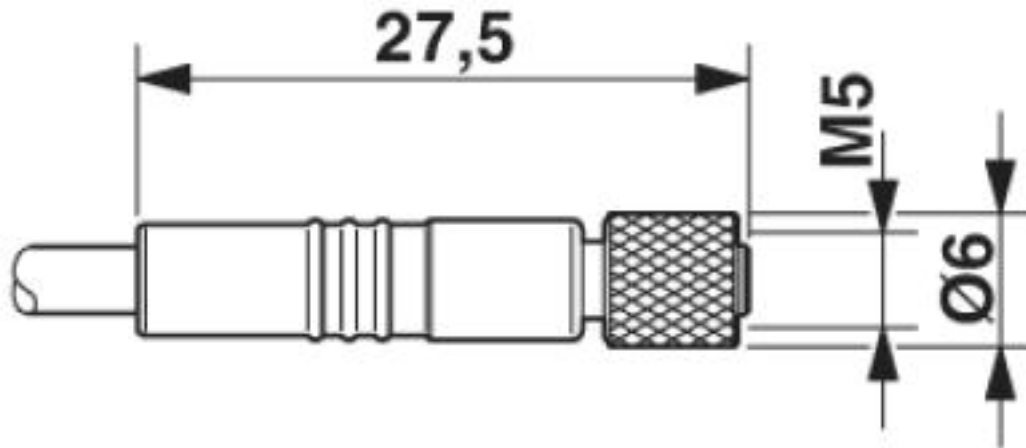
### Environmental Product Compliance

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

## Drawings

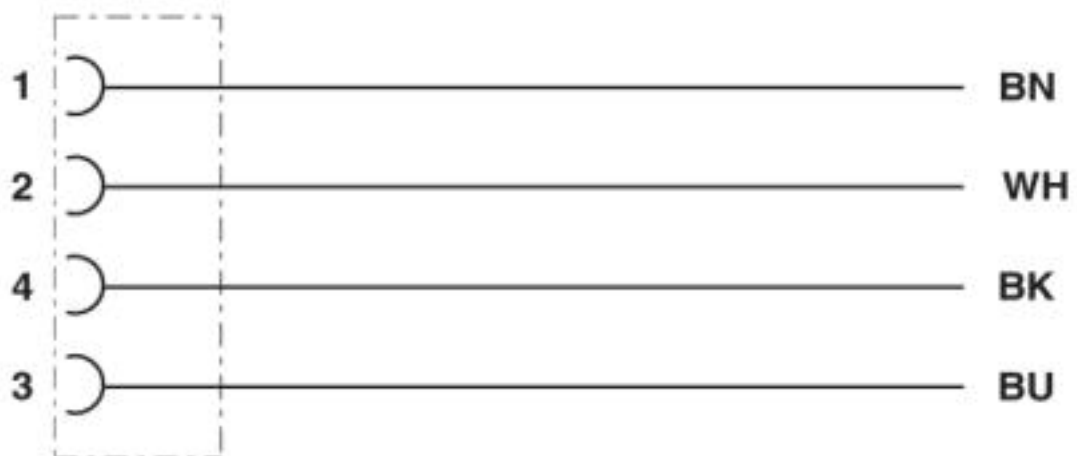
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Dimensional drawing



Socket M5 x 0.5, straight

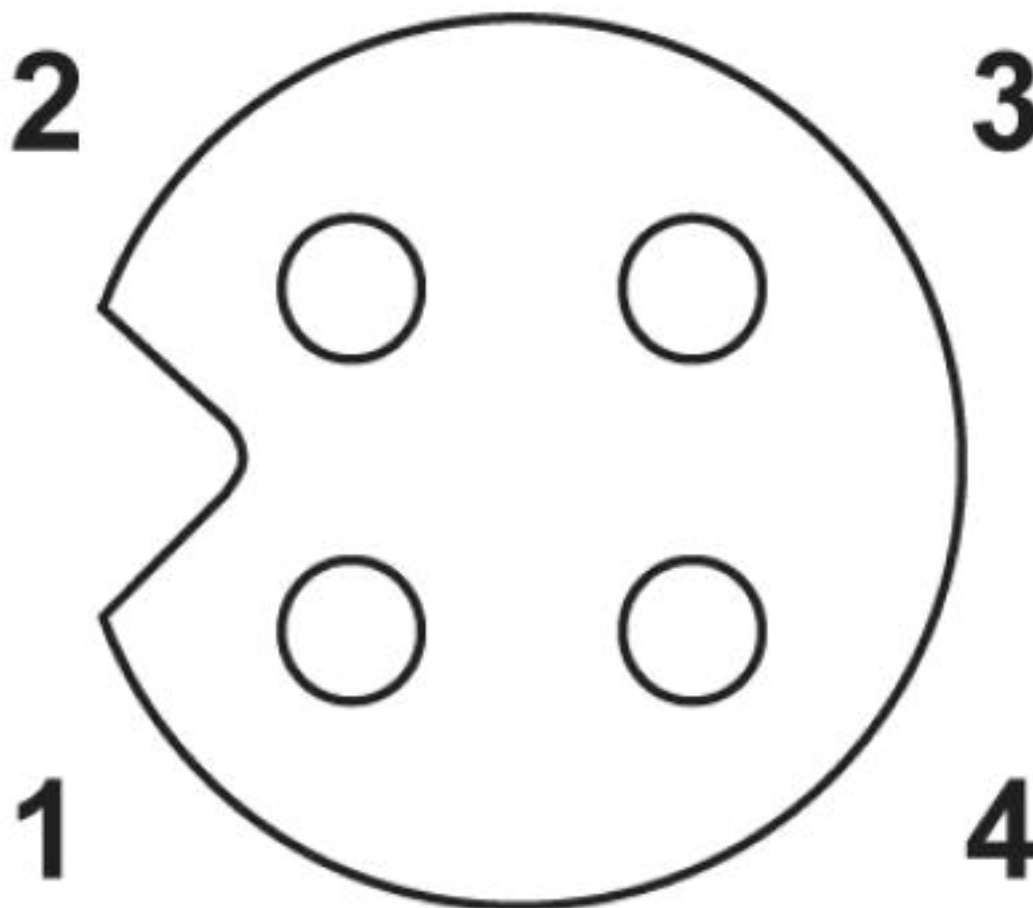
Circuit diagram



Contact assignment of the M5 socket

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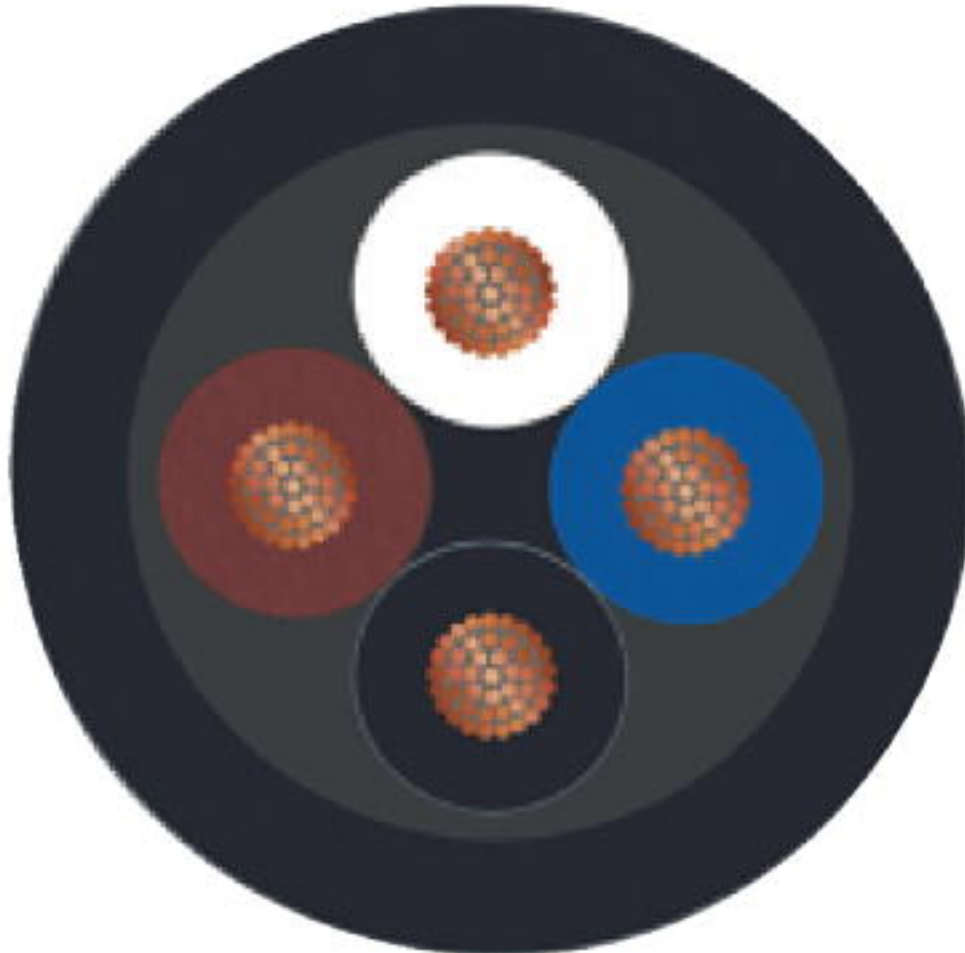
Schematic diagram



Socket M5, 4-pos.

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Cable cross section



PUR/PVC black [350]

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