

# Sensor/Actuator cable - SAC-3P-10,0-PVC/M 8FS BK - 1508378

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Sensor/Actuator cable, 3-position, PVC, Black RAL 9005, Free cable end, on Socket straight M8, Cable length: 10 m

As shown in the illustration but with a black handle

## Key commercial data

package_quantity	1
GTIN	4017918895334

## Technical data

### Dimensions

Length of cable	10 m
Stripping length of the free conductor end	50 mm

### Ambient conditions

Degree of protection	IP65
Degree of protection	IP67
Degree of protection	IP68

### General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3

### Material

Inflammability class according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing

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## Technical data

### Material

<b>Material, knurls</b>	Zinc die-cast, nickel-plated
<b>Sealing material</b>	NBR

### Cable

<b>Cable type</b>	PVC black
<b>Cable type (abbreviation)</b>	PVC
<b>Cable abbreviation</b>	LiYY
<b>Conductor cross section</b>	3x 0.25 mm <sup>2</sup> (signal line)
<b>AWG signal line</b>	24
<b>Conductor structure signal line</b>	32x 0.10 mm
<b>Core diameter including insulation</b>	1.25 mm ±0.02 mm
<b>Thickness, insulation</b>	≥ 0.23 mm (Core insulation)
<b>Wire colors</b>	brown, blue, black
<b>Overall twist</b>	3 wires, twisted
<b>External sheath, color</b>	Black RAL 9005
<b>Outer sheath thickness</b>	≥ 0.76 mm
<b>External cable diameter D</b>	4.4 mm ±0.15 mm
<b>Cable weight</b>	29 kg/km
<b>Outer sheath, material</b>	PVC
<b>Material conductor insulation</b>	PVC
<b>Conductor material</b>	Bare Cu litz wires
<b>Insulation resistance</b>	≥ 100 MΩ*km (at 20 °C)
<b>Conductor resistance</b>	max. 78 Ω/km (at 20 °C)
<b>Nominal voltage, cable</b>	≥ 300 V
<b>Test voltage, cable</b>	≤ 3000 V
<b>Flame resistance</b>	As per UL-Style 2464
<b>Ambient temperature (operation)</b>	-25 °C ... 80 °C (cable, fixed installation)
<b>Ambient temperature (operation)</b>	-5 °C ... 80 °C (cable, flexible installation)

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27060306
<b>eCl@ss 4.1</b>	27060306
<b>eCl@ss 5.0</b>	27061801
<b>eCl@ss 5.1</b>	27061801
<b>eCl@ss 6.0</b>	27061801
<b>eCl@ss 7.0</b>	27061801
<b>eCl@ss 8.0</b>	27061801

### ETIM

<b>ETIM 2.0</b>	EC000830
<b>ETIM 3.0</b>	EC001855

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## classifications

### ETIM

<b>ETIM 4.0</b>	EC001855
<b>ETIM 5.0</b>	EC001855

### UNSPSC

<b>UNSPSC 6.01</b>	31251501
<b>UNSPSC 7.0901</b>	31251501
<b>UNSPSC 11</b>	31251501
<b>UNSPSC 12.01</b>	31251501
<b>UNSPSC 13.2</b>	31251501

## approvals

UL Listed / cUL Listed / cULus Listed /

### Approval details

<b>UL Listed</b>	
Nominal voltage UN	125 V
Nominal current IN	4 A
mm <sup>2</sup> /AWG/kcmil	

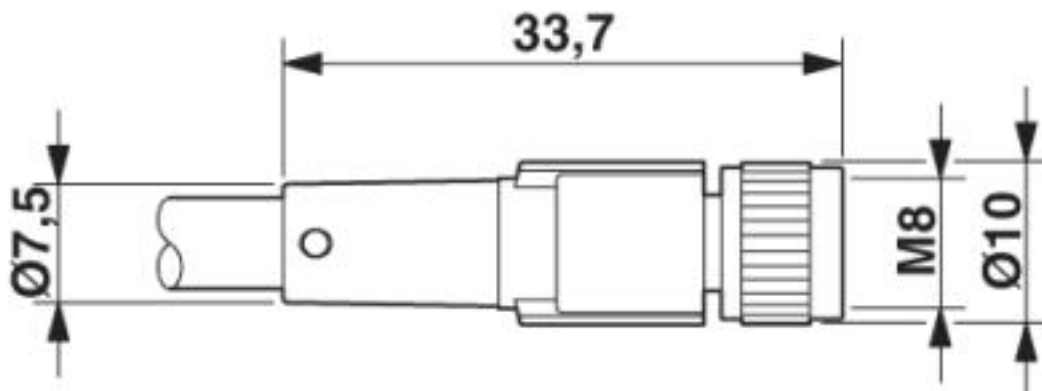
<b>cUL Listed</b>	
Nominal voltage UN	125 V
Nominal current IN	4 A
mm <sup>2</sup> /AWG/kcmil	

<b>cULus Listed</b>	
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## Drawings

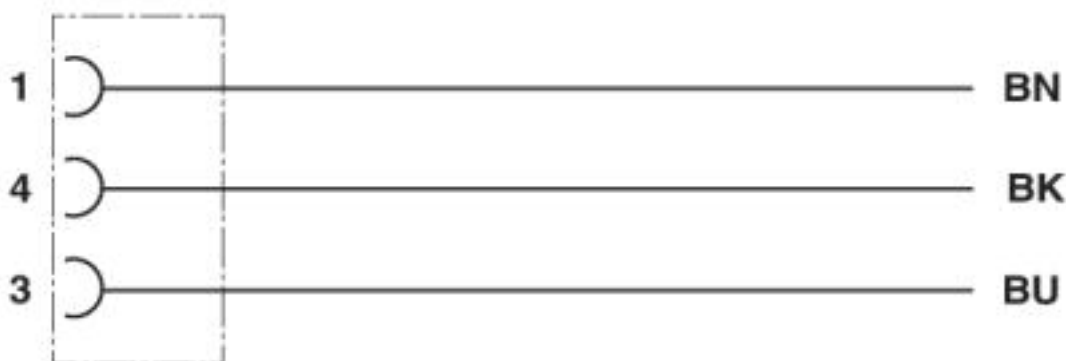
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Dimensioned drawing



Socket M8 x 1, straight

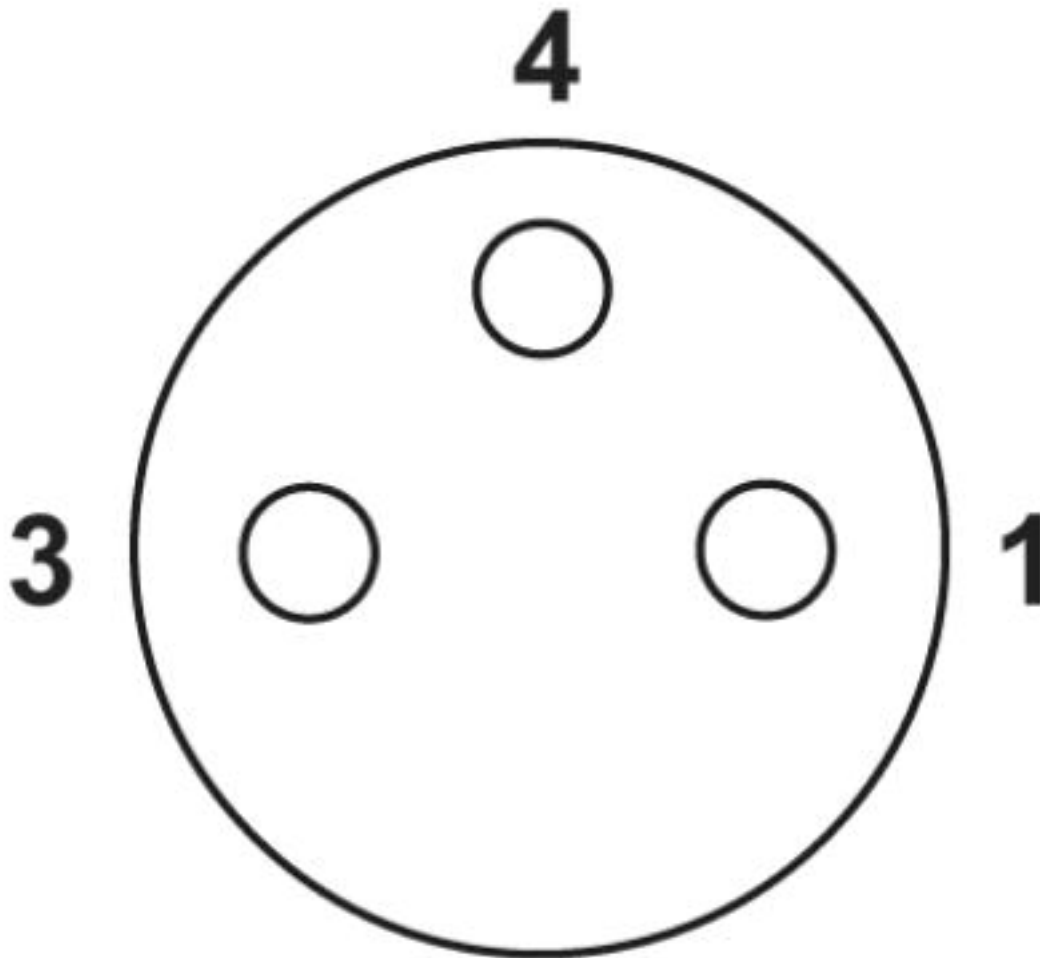
Circuit diagram



Contact assignment of M8 socket

# Sensor/Actuator cable - SAC-3P-10,0-PVC/M 8FS BK - 1508378

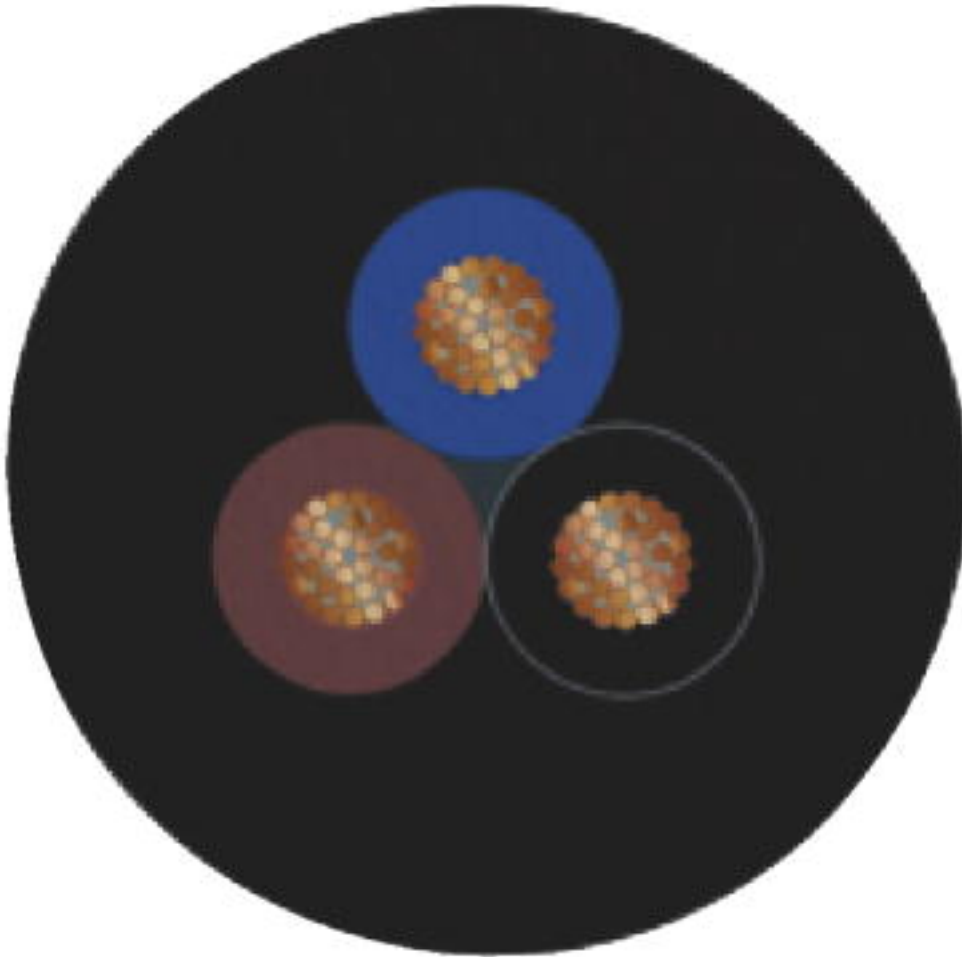
Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

## Sensor/Actuator cable - SAC-3P-10,0-PVC/M 8FS BK - 1508378

Cable cross section



PVC black [PVC]

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