

# Sensor/actuator cable - SAC-3P- 5,0-PVC/M 8FR-2L - 1508174

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Sensor/actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Socket angled M8, with 2 LEDs, cable length: 5 m

RoHS

## Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4017918888176

## Technical data

### Dimensions

Length of cable	5 m
Stripping length of the free conductor end	50 mm

### Ambient conditions

Degree of protection	IP65
	IP67
	IP68

### General

Rated current at 40°C	4 A
Rated voltage	24 V
	24 V DC
Number of positions	3
Color handle area	transparent
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	2 LEDs
Protective circuit/component	Unwired
Overvoltage category	II

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## Technical data

### General

Degree of pollution	3
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### Material

Flammability rating 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
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

### Standards and Regulations

Flammability rating according to UL 94	HB
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### Cable

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

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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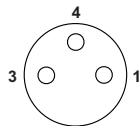
## Technical data

### Environmental Product Compliance

	No hazardous substances above threshold values
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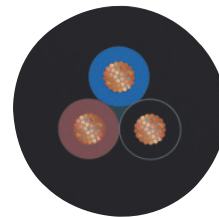
## Drawings

Schematic diagram



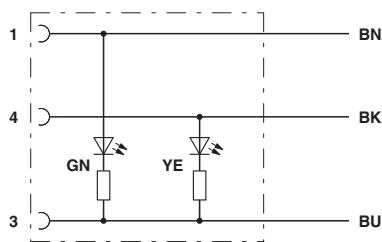
Pin assignment socket M8

Cable cross section



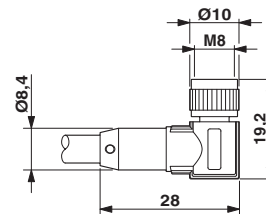
PVC black [PVC]

Circuit diagram



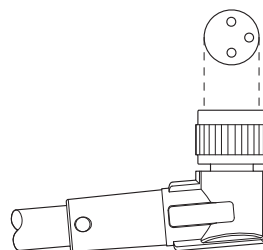
Contact assignment of the M12 socket

Dimensional drawing



Socket M8 x 1, angled, with LED

Schematic diagram



Layout of connector pin assignments

## Approvals

### Approvals

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UL Listed / cUL Listed / cULus Listed

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## Approvals


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Ex Approvals

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### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN		60 V	
Nominal current IN		4 A	

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN		60 V	
Nominal current IN		4 A	

cULus Listed			
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