

# 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

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 017918 895334 |
| 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 |
|                      | IP67 |
|                      | IP68 |

### General

|                       |              |
|-----------------------|--------------|
| Rated current at 40°C | 4 A          |
| Rated voltage         | 48 V AC      |
|                       | 60 V DC      |
| Number of positions   | 3            |
| Insulation resistance | ≥ 100 MΩ     |
| Coding                | A - standard |
| Status display        | No           |
| Overvoltage category  | II           |

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## Technical data

### General

|                     |   |
|---------------------|---|
| Degree of pollution | 3 |
|---------------------|---|

### 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 |
|----------------------------------------|----|

### 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 |
|------------|---------------------------------------------------------|

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

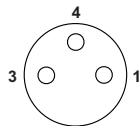
## Technical data

### Environmental Product Compliance

|  |                                                |
|--|------------------------------------------------|
|  | No hazardous substances above threshold values |
|--|------------------------------------------------|

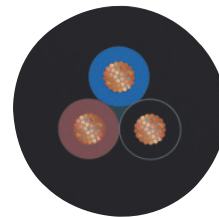
## Drawings

Schematic diagram



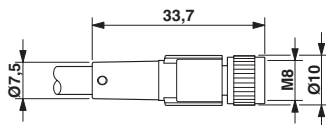
Pin assignment M8 socket, 3-pos., view female side

Cable cross section



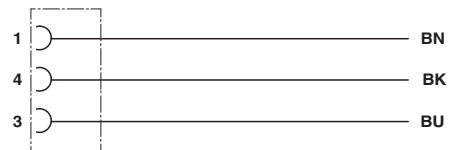
PVC black [PVC]

Dimensional drawing



Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8 socket

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals


### 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 |                                                                                                                                                       |               |

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### Approvals

|                    |     |
|--------------------|-----|
| 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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