

## Sensor/actuator cable - SAC-4P- 10,0-PVC/M12FR - 1533592

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Sensor/actuator cable, 4-position, PVC, black RAL 9005, free cable end, on Socket angled M12, A-coded, cable length: 10 m

### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4017918992132 |

### Technical data

#### Dimensions

|                 |      |
|-----------------|------|
| Length of cable | 10 m |
|-----------------|------|

#### General

|                             |          |
|-----------------------------|----------|
| Rated voltage               | 250 V AC |
|                             | 250 V DC |
| Number of positions         | 4        |
| Insertion/withdrawal cycles | ≥ 100    |

#### Material

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

#### Cable

|                           |           |
|---------------------------|-----------|
| Cable type                | PVC black |
| Cable type (abbreviation) | PVC       |

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## Technical data

### Cable

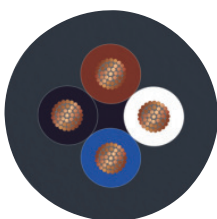
|   |   |
|---|---|
| Cable abbreviation                            | LiYY  |
| UL AWM style                                  | 2464 / 1729 (80°C/300 V)                        |
| Conductor cross section                       | 4x 0.34 mm <sup>2</sup> (Signal line)           |
| AWG signal line                               | 22  |
| Conductor structure signal line               | 19x 0.15 mm                                     |
| Core diameter including insulation            | 1.26 mm ±0.05 mm                                |
| Thickness, insulation                         | ≥ 0.23 mm (Core insulation)                     |
| Wire colors                                   | brown, white, blue, black                       |
| Overall twist                                 | 4 wires, twisted                                |
| External sheath, color                        | black RAL 9005                                  |
| Outer sheath thickness                        | ≥ 0.76 mm                                       |
| External cable diameter D                     | 4.7 mm ±0.15 mm                                 |
| Minimum bending radius, fixed installation    | 5 x D   |
| Minimum bending radius, flexible installation | 10 x D  |
| Cable weight                                  | 40 kg/km  |
| Outer sheath, material                        | PVC   |
| Material conductor insulation                 | PVC   |
| Conductor material                            | Bare Cu litz wires                              |
| Insulation resistance                         | ≥ 200 MΩ*km (at 20 °C)                          |
| Conductor resistance                          | ≤ 57 Ω/km (at 20 °C)                            |
| Nominal voltage, cable                        | ≤ 300 V   |
| Test voltage, cable                           | ≥ 3000 V  |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)    |
|   | -25 °C ... 80 °C (cable, flexible installation) |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

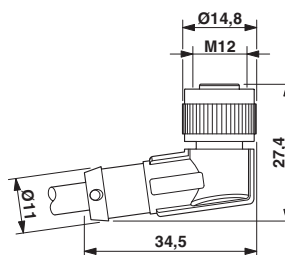
## Drawings

Cable cross section



PVC black [PVC]

Dimensional drawing



M12 x 1 socket, angled

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## Approvals

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#### Approvals

UL Listed / cUL Listed / EAC / 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 |  | 300 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 |
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|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.AI30.B.00767 |
|-----|--|--------------------------|

|              |  |
|--------------|--|
| cULus Listed |  |
|--------------|--|

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