

## Sensor/Actuator cable - SAC-3P- 5,0-PVC/M 8FS BK - 1508420

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Sensor/Actuator cable, 3-position, PVC, Black RAL 9005, Free cable end, on Socket straight M8, Cable length: 5 m

As shown in the illustration but with a black handle



### Key commercial data

|                        |          |
|------------------------|----------|
| Packing unit           | 1 1      |
| Minimum order quantity | 50 1     |
| Custom tariff number   | 85444290 |
| Country of origin      | Germany  |

### 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         | 60 V         |
| Number of positions   | 3            |
| Contact resistance    | ≤ 5 mΩ       |
| Insulation resistance | ≥ 100 MΩ     |
| Coding                | A - standard |
| Status display        | No           |

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### Technical data

#### General

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

#### 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) |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27061801 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |

### Approvals

#### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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Approvals submitted

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#### Approval details

# Sensor/Actuator cable - SAC-3P- 5,0-PVC/M 8FS BK - 1508420

## Approvals

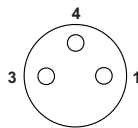
|                                |       |
|--------------------------------|-------|
| UL Listed                      |       |
| Nominal current I <sub>N</sub> | 4 A   |
| Nominal voltage U <sub>N</sub> | 125 V |

|                                |       |
|--------------------------------|-------|
| cUL Listed                     |       |
| Nominal current I <sub>N</sub> | 4 A   |
| Nominal voltage U <sub>N</sub> | 125 V |

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

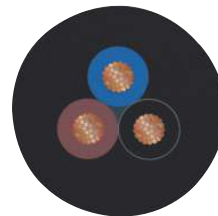
## Drawings

Schematic diagram



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

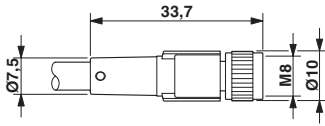
Cable cross section



PVC black [PVC]

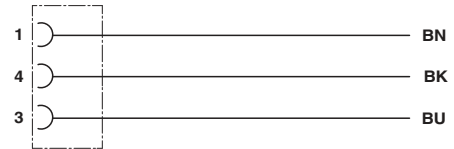
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Dimensioned drawing



Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8 socket