

## Sensor/actuator cable - SAC-8P-10,0-PVC/M12FR - 1415736

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Sensor/actuator cable, 8-position, PVC, black RAL 9005, free cable end, on Socket angled M12, coding: A, cable length: 10 m

### Your advantages

- Easy and safe: 100% electrically tested plug-in components



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 055626 052533 |
| GTIN                                 | 4055626052533   |
| Weight per Piece (excluding packing) | 500.000 g   |
| Custom tariff number                 | 85444290  |
| Country of origin                    | Poland  |
| Sales Key                            | BF1CFA  |

### Technical data

#### Dimensions

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

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
|                                 | -25 °C ... 90 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | IP67                             |
|                                 | IP68                             |

#### General

|                       |         |
|-----------------------|---------|
| Rated current at 40°C | 2 A     |
| Rated voltage         | 30 V AC |

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### Technical data

#### General

|                              |                               |
|------------------------------|-------------------------------|
|                              | 30 V DC                       |
| Number of positions          | 8                             |
| Insulation resistance        | $\geq 100 \text{ M}\Omega$    |
| Coding                       | A - standard                  |
| Standards/regulations        | M12 connector IEC 61076-2-101 |
| Status display               | No                            |
| Protective circuit/component | unwired                       |
| Overvoltage category         | II                            |
| Degree of pollution          | 3                             |
| Insertion/withdrawal cycles  | $\geq 100$                    |

#### Material

|  |   |
|--|---|
| Flammability rating according to UL 94 | HB  |
| Contact material                       | CuZn  |
| 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

|  |                               |
|--|-------------------------------|
| Standards/specifications               | M12 connector IEC 61076-2-101 |
| Flammability rating according to UL 94 | HB                            |

#### Cable

|   |  |
|---|--|
| Cable type                                    | PVC black  |
| Cable type (abbreviation)                     | PVC  |
| Cable abbreviation                            | LiYY   |
| UL AWM style                                  | 2464 / 1729 (80°C/300 V)                           |
| Conductor cross section                       | 8x 0.25 mm <sup>2</sup> (Signal line)              |
| AWG signal line                               | 24   |
| Conductor structure signal line               | 14x 0.15 mm  |
| Core diameter including insulation            | 1.17 mm $\pm$ 0.05 mm                              |
| Thickness, insulation                         | $\geq 0.23 \text{ mm}$                             |
| Wire colors                                   | white, brown, green, yellow, gray, pink, blue, red |
| Overall twist                                 | 8 wires around filler to the core                  |
| External sheath, color                        | black RAL 9005                                     |
| Outer sheath thickness                        | $\geq 0.76 \text{ mm}$                             |
| External cable diameter D                     | 5.9 mm $\pm$ 0.2 mm                                |
| Minimum bending radius, fixed installation    | 5 x D  |
| Minimum bending radius, flexible installation | 10 x D   |
| Cable weight                                  | 54 kg/km   |

<https://www.phoenixcontact.com/gb/products/1415736>

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### Technical data

#### Cable

|                                 |   |
|---------------------------------|---|
| Outer sheath, material          | PVC   |
| Material conductor insulation   | PVC   |
| Conductor material              | Bare Cu litz wires                                    |
| Insulation resistance           | $\geq 200 \text{ M}\Omega \cdot \text{km}$ (at 20 °C) |
| Conductor resistance            | $79 \text{ }\Omega/\text{km}$ (at 20 °C)              |
| Nominal voltage, cable          | $\leq 300 \text{ V AC}$                               |
| Test voltage, cable             | $\geq 3000 \text{ V AC}$                              |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation)          |
|                                 | -10 °C ... 80 °C (cable, flexible installation)       |

#### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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