

Sensor/actuator cable - SAC-8P- 3,0-PVC/M12FR - 1415734

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Sensor/actuator cable, 8-position, PVC, black RAL 9005, free cable end, on Socket angled M12, coding: A, cable length: 3 m

Your advantages

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



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 055626 052519 |
| GTIN | 4055626052519 |
| Weight per Piece (excluding packing) | 164.300 g |
| Custom tariff number | 85444290 |
| Country of origin | Poland |
| Sales Key | BF1CFA |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 3 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 | ≥ 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 ² (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/1415734>

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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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