# Sensor/Actuator cable - SAC-6P- 1,5-PUR/M 8FS - 1522192

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Sensor/Actuator cable, 6-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M8, Cable length: 1.5 m

## Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Our standard: robust halogen-free PUR cable

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| GTIN | 4 046356 020985 |
| Weight per Piece (excluding packing) | 53.7 g |
| Custom tariff number | 85444290 |
| Country of origin | Poland |
| Product key | BF1BGA |
| Note | Made to Order (non-returnable) |

## Technical data

### Dimensions

| | |
|---|---|
| Length of cable | 1.5 m |
| Stripping length of the free conductor end | 50 mm |

### Ambient conditions

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

### General

| | |
|---|---|
| Rated current at 40°C | 1.5 A |
| Rated voltage | 30 V |

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## Technical data

### General

| | |
|---|---|
| Number of positions | 6 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display | No |
| Protective circuit/component | Unwired |
| Overvoltage category | II |
| Pollution degree | 3 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.2 Nm (M8 connectors) |

### Material

| | |
|---|---|
| Inflammability class 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 |

### Cable

| | |
|---|---|
| Cable type | PUR halogen-free black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | Li9Y11Y |
| Conductor cross section | 6x 0.25 mm² (signal line) |
| AWG signal line | 24 |
| Conductor structure signal line | 32x 0.10 mm |
| Core diameter including insulation | 1.17 mm ±0.02 mm |
| Thickness, insulation | ≥ 0.21 mm (Core insulation) |
| Wire colors | brown, white, blue, black, gray, pink |
| Overall twist | Six cores around the filler to the core |
| External sheath, color | black-gray RAL 7021 |
| Outer sheath thickness | approx. 0.7 mm |
| External cable diameter | 5.00 mm |
| External cable diameter D | 5 mm ±0.15 mm |
| Cable weight | 34 kg/km |
| Outer sheath, material | PUR |
| Material, filler | PE |
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 100 MΩ*km (at 20 °C) |

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## Technical data

### Cable

| | |
|---|---|
| Conductor resistance | 78 Ω/km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage, cable | ≥ 3000 V |
| Special properties | Flexible cable conduit capable |
| | Silicone-free |
| | Free of substances which would hinder coating with paint or varnish |
| Flame resistance | in accordance with DIN UL-Style 20549 |
| Halogen-free | in accordance with DIN VDE 0472 part 815 |
| Resistance to oil | in accordance with DIN EN 60811-2-1 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| | hydrolysis and microbe resistant |
| | partly UV-resistant in accordance with DIN EN ISO 4892-2-A |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

## 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 | 27279218 |

### 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

# Sensor/Actuator cable - SAC-6P- 1,5-PUR/M 8FS - 1522192

## Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approvals submitted

## Approval details

UL Listed

| | |
|---|---|
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

cUL Listed

| | |
|---|---|
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

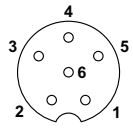
EAC

cULus Listed

## Drawings

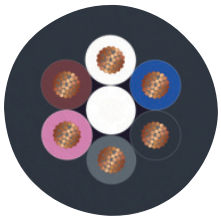
# Sensor/Actuator cable - SAC-6P- 1,5-PUR/M 8FS - 1522192

Schematic diagram



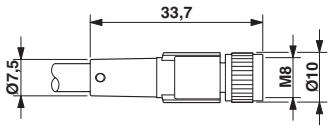

Pin assignment M8 socket, 6-pos.

Cable cross section



PUR halogen-free black [PUR]

Dimensional drawing




Socket M8 x 1, straight

Circuit diagram

Contact assignment of M8 socket

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