

Sensor/Actuator cable - SAC-4P- 2,0-PUR/M 8FS 0,34 - 1543582

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Sensor/Actuator cable, 4-position, PUR, Black RAL 9005, Free cable end, on Socket straight M8, Cable length: 2 m

Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ System cable for supply voltage and bus signal
- ✓ Power cable for actuator voltage



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 1 |
| Weight per Piece (excluding packing) | 82.6 GRM |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--|-------|
| Length of cable | 2 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 | 4 A |
| Rated voltage | 30 V |
| Number of positions | 4 |

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Technical data

General

| | |
|-----------------------------|--------------|
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Status display | No |
| Surge voltage category | II |
| Pollution degree | 3 |
| Test voltage | 800 V |
| Insertion/withdrawal cycles | ≥ 100 |

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 | PUR/PVC black |
| Cable abbreviation | LiYY-11Y |
| Conductor cross section | 0.34 mm ² |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| Core diameter including insulation | 1.5 mm ±0.05 mm |
| Thickness, insulation | ≥ 0.3 mm (Core insulation) |
| | ≥ 0.35 mm (Inner sheath) |
| | ≥ 0.38 mm (Outer cable sheath) |
| Wire colors | brown, white, blue, black |
| Overall twist | 4 wires, twisted |
| External sheath, color | Black RAL 9005 |
| External cable diameter | 5.20 mm |
| Smallest bending radius, fixed installation | 52 mm |
| Smallest bending radius, movable installation | 52 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 52 mm |
| Traversing path | 5 m |
| Traversing rate | 3 m/s |

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Technical data

Cable

| | |
|---------------------------------|--|
| Cable weight | 39 kg/km |
| Outer sheath, material | PUR |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | $\geq 1 \text{ G}\Omega\cdot\text{km}$ |
| Conductor resistance | $\leq 58 \text{ }\Omega/\text{km}$ |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 3000 V |
| Ambient temperature (operation) | -25 °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 | 27061801 |

ETIM

| | |
|----------|----------|
| 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-4P- 2,0-PUR/M 8FS 0,34 - 1543582

Approvals


Approvals


UL Listed / cUL Listed / cULus Listed


Ex Approvals

Approvals submitted

Approval details

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

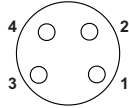
| | |
|--|-------|
| cUL Listed  | |
| | |
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

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

Drawings

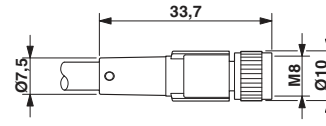
Sensor/Actuator cable - SAC-4P- 2,0-PUR/M 8FS 0,34 - 1543582

Schematic diagram



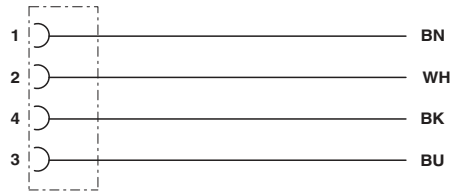
Pin assignment M8 socket, 4-pos., view female side

Dimensioned drawing



Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8/M12 plugs/sockets