


Sensor/actuator cable - SAC-3P-10,0-100/M 8FS - 1577574

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Sensor/actuator cable, 3-position, PUR/PVC, gray RAL 7001, free cable end, on Socket straight M8, cable length: 10 m



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 25 pc |
| GTIN |  4 046356 459396 |
| GTIN | 4046356459396 |

Technical data

Dimensions

| | |
|--|-------|
| Length of cable | 10 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 | 48 V AC |
| | 60 V DC |
| Number of positions | 3 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |

Material

| | |
|--|-------|
| Flammability rating according to UL 94 | HB |
| Contact material | CuSn |
| Contact surface material | Ni/Au |

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Technical data

Material

| | |
|--------------------------|---|
| 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

| | |
|--|----|
| Flammability rating according to UL 94 | HB |
|--|----|

Cable

| | |
|---|--|
| Cable type | PUR/PVC gray |
| Cable type (abbreviation) | 100 |
| Cable abbreviation | LiYY-11Y |
| Conductor cross section | 0.25 mm ² |
| AWG signal line | 24 |
| Conductor structure signal line | 32x 0.10 mm |
| Core diameter including insulation | 1.32 mm ±0.02 mm |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| | ≥ 0.38 mm (Outer cable sheath) |
| | approx. 3.5 mm ±0.1 mm (Inner sheath) |
| Wire colors | brown, blue, black |
| Overall twist | 3 wires, twisted |
| External sheath, color | gray RAL 7001 |
| External cable diameter D | 4.4 mm ±0.2 mm |
| Smallest bending radius, fixed installation | 22 mm |
| Smallest bending radius, movable installation | 44 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 44 mm |
| Traversing path | 5 m |
| Traversing rate | 3 m/s |
| Cable weight | 27 kg/km |
| Outer sheath, material | PUR |
| Material, inner sheath | 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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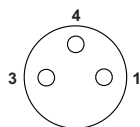
Technical data

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

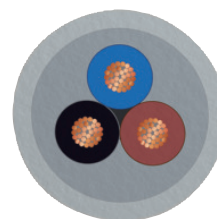
Drawings

Schematic diagram



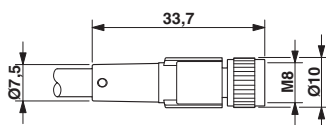
Pin assignment M8 socket, 3-pos., view female side

Cable cross section



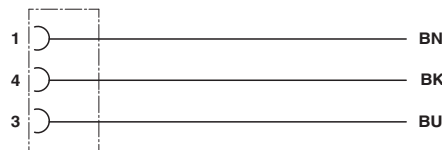
PUR/PVC gray [100]

Dimensional drawing



Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8 socket

Approvals

Approvals

Approvals


UL Listed / cUL Listed / EAC / cULus Listed


Ex Approvals

Approval details


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Approvals

| | | | |
|--------------------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal voltage UN | | 60 V | |
| Nominal current IN | | 4 A | |

| | | | |
|--------------------|---|---|---------------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 221474 |
| Nominal voltage UN | | 60 V | |
| Nominal current IN | | 4 A | |

| | | |
|-----|--|---------------|
| EAC |  | EAC-Zulassung |
|-----|--|---------------|

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

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