

Sensor/actuator cable - SAC-6P-10,0-240/M12FS - 1554212

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Sensor/actuator cable, 6-position, PUR, yellow, free cable end, on Socket straight M12, A-coded, cable length: 10 m

RoHS

Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 046356 163620 |
| GTIN | 4046356163620 |

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 | 2 A |
| Rated voltage | 30 V AC |
| | 30 V DC |
| Number of positions | 6 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Insertion/withdrawal cycles | ≥ 100 |

Material

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

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Material

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

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

Cable

| | |
|---|--|
| Cable type | PUR halogen-free yellow |
| Cable type (abbreviation) | 240 |
| Cable abbreviation | Li9Y11Y |
| Conductor cross section | 0.25 mm ² |
| 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) approx. 0.7 mm (Outer cable sheath) |
| Wire colors | brown, white, green, yellow, gray, pink |
| Overall twist | Six cores around the filler to the core |
| External sheath, color | yellow |
| External cable diameter | 5.00 mm |
| Smallest bending radius, fixed installation | 50 mm |
| Smallest bending radius, movable installation | 50 mm |
| Number of bending cycles | 4000000 |
| Bending radius | 50 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s ² |
| 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 GΩ*km |
| Conductor resistance | ≤ 78 Ω/km |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 3000 V |
| Special properties | Flexible cable conduit capable |
| Flame resistance | in accordance with DIN UL-Style 20549 |
| Halogen-free | in accordance with DIN VDE 0472 part 815 |

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Cable

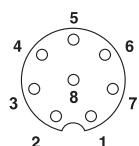
| | |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

Environmental Product Compliance

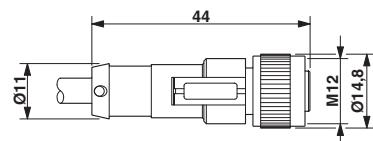
| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Schematic diagram



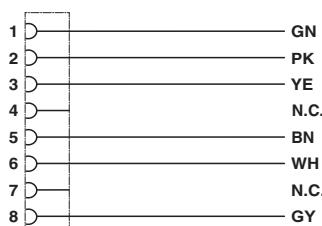
Dimensional drawing



Pin assignment M12 socket, 8-pos., A-coded,
view female side

M12 x 1 socket, straight

Circuit diagram



Contact assignment of the M12 socket

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