

Master cable - SAC-8P-10,0-PURMC/M12FR - 1407823

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M12 socket, angled, 8-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 10 m

RoHS

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 857512 |
| GTIN | 4046356857512 |
| Weight per Piece (excluding packing) | 480.000 g |
| Custom tariff number | 85444290 |
| Country of origin | Poland |

Technical data

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (Plug / socket) |
| Degree of protection | IP65 |
| | IP67 |
| | IP68 |

General

| | |
|-----------------------|-------------------------------|
| Rated voltage | 30 V |
| Number of positions | 8 |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Connection method | Fixed connection |
| Torque | 0.4 Nm (M12 connector) |

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Technical data

Material

| | |
|--|--------|
| Flammability rating according to UL 94 | HB |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Sealing material | NBR |

Connection assignment

| | |
|---------------------------------------|---------------------------|
| Slot/position = pin = conductor color | 1 / 4 (A) = P = WH |
| | 2 / 4 (A) = J = GN |
| | 3 / 4 (A) = T = YE |
| | 4 / 4 (A) = S = GY |
| | 5 / 4 (A) = G = PK |
| | 6 / 4 (A) = R = RD |
| | 1-6 / 1 (+ 24 V) = A = BN |
| | 1-6 / 3 (0 V) = L = BU |

Standards and Regulations

| | |
|--|-----------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Flammability rating according to UL 94 | HB |

Cable

| | |
|---|--|
| Cable type | PUR halogen-free black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | Li9Y11Y |
| UL AWM style | 20549 / 10493 (80°C/300 V) |
| Conductor cross section | 8x 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 |
| Wire colors | white, brown, green, yellow, gray, pink, blue, red |
| Overall twist | 8 wires around filler to the core |
| External sheath, color | black-gray RAL 7021 |
| Outer sheath thickness | approx. 0.8 mm |
| External cable diameter D | 5.9 mm ±0.15 mm |
| Minimum bending radius, fixed installation | 8 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Number of bending cycles | 4000000 |

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Cable

| | |
|---------------------------------|---|
| Bending radius | 59 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s ² |
| Cable weight | 46 kg/km |
| Outer sheath, material | PUR |
| Material, filler | PE |
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Conductor resistance | ≤ 78 Ω/km |
| 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 |
| | stranded |
| 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 |
| | Low adhesion |
| | abrasion-resistant |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -25 °C ... 80 °C (cable, flexible installation) |

Environmental Product Compliance

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

Drawings

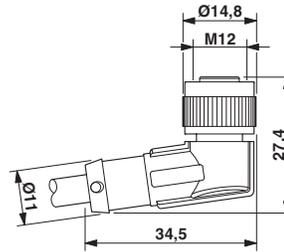
Master cable - SAC-8P-10,0-PURMC/M12FR - 1407823

Cable cross section



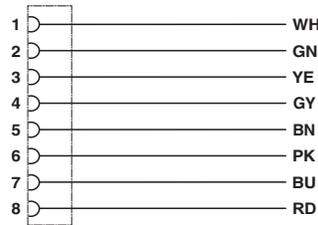
PUR halogen-free black [PUR]

Dimensional drawing



M12 x 1 socket, angled

Circuit diagram



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 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 6.01 | 31251501 |
|-------------|----------|

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Classifications

UNSPSC

| | |
|---------------|----------|
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |