

Sensor/Actuator cable - SAC-4P-M12MS/ 3,0-PUR/MS BK SH - 1570526

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Sensor/Actuator cable, 4-position, PUR/PVC, Black-gray RAL 7021, shielded, Plug straight M12, A-coded, on Plug straight M12, A-coded, Cable length: 3 m

As in the figure, but with a black handle



Key commercial data

| | |
|------------------------|----------|
| Packing unit | 1 1 |
| Minimum order quantity | 50 1 |
| Custom tariff number | 85444290 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 3 m |
|-----------------|-----|

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP65 |
| | IP67 |

General

| | |
|------------------------|--------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 250 V |
| Number of positions | 4 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Status display | No |
| Surge voltage category | II |
| Pollution degree | 3 |

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Technical data

General

| | |
|-----------------------------|-------|
| 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 shielded, black |
| Cable type (abbreviation) | 350 |
| Cable abbreviation | LiYYV1CY11Y |
| Conductor cross section | 0.34 mm ² |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| Core diameter including insulation | 1.52 mm ±0.02 mm |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| | ≥ 0.38 mm (Outer cable sheath) |
| Wire colors | brown, white, blue, black |
| Overall twist | 4 wires, twisted |
| Shielding | Tinned copper braided shield |
| Optical shield covering | 85 % |
| External sheath, color | Black-gray RAL 7021 |
| External cable diameter | 5.90 mm |
| Smallest bending radius, fixed installation | 59 mm |
| Smallest bending radius, movable installation | 59 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 59 mm |
| Traversing path | 5 m |
| Traversing rate | 3 m/s |
| Cable weight | 50 kg/km |
| Outer sheath, material | PUR |
| Material, inner sheath | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |

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Technical data

Cable

| | |
|---------------------------------|--|
| Insulation resistance | $\geq 100 \text{ M}\Omega \cdot \text{km}$ |
| Conductor resistance | $\leq 57.3 \text{ }\Omega/\text{km}$ |
| 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

Approvals

UL Listed

Sensor/Actuator cable - SAC-4P-M12MS/ 3,0-PUR/MS BK SH - 1570526

Approvals

Ex Approvals

Approvals submitted

Approval details

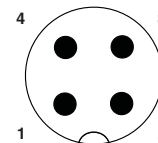
| | |
|--------------------------------|-------|
| UL Listed | |
| Nominal current I _N | 4 A |
| Nominal voltage U _N | 300 V |

Drawings

Circuit diagram

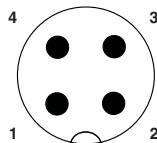
Contact assignment of M12 connector/socket

Schematic diagram



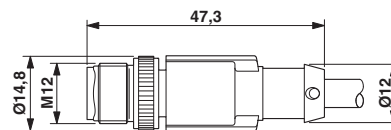
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

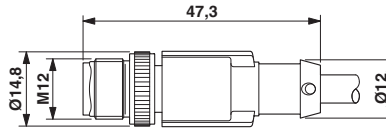
Dimensioned drawing



Plug, M12 x 1, straight, shielded

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Dimensioned drawing



Plug, M12 x 1, straight, shielded