

## SAC-4P-M12MS/ 0,3-PUR/M12FS TP

Order No.: 1506817

Sensor/Actuator cable, 4-position, PUR/PVC, Green RAL 6017, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 0.3 m

### Commercial data

|                |                 |
|----------------|-----------------|
| EAN            | 4 017918 884314 |
| Note           | Made-to-order   |
| Pack           | 1               |
| Customs tariff | 85444290        |

### Product notes

WEEE/RoHS-compliant since:  
2006-03-02



### Technical data

#### General data

|                       |                            |
|-----------------------|----------------------------|
| Rated current at 40°C | 4 A                        |
| Rated voltage         | 250 V                      |
| Number of positions   | 4                          |
| Volume resistance     | $\leq 5 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Length of cable       | 0.3 m                      |

#### General characteristics

|                        |              |
|------------------------|--------------|
| Coding                 | A - standard |
| Surge voltage category | II           |

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Pollution degree            | 3                                           |
| Degree of protection        | IP65/IP68/IP69K                             |
| Insertion/withdrawal cycles | $\geq 100$                                  |
| 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                                         |
| Status display              | No                                          |

**Conductor data**

|                                               |                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------|
| Cable type                                    | PUR/PVC green                                                                           |
| Conductor cross section                       | 0.5 mm <sup>2</sup>                                                                     |
| AWG signal line                               | 20                                                                                      |
| Conductor structure signal line               | 28x 0.15 mm                                                                             |
| Thickness, insulation                         | (Core insulation)<br>Approx. 1 mm (Inner sheath)<br>Approx. 0.7 mm (Outer cable sheath) |
| External cable diameter                       | 7.80 mm                                                                                 |
| Wire colors                                   | Brown-white, green-yellow                                                               |
| External sheath, color                        | Green RAL 6017                                                                          |
| Nominal voltage, conductor                    | 300 V                                                                                   |
| Test voltage, conductor                       | 1500 V                                                                                  |
| Outer sheath, material                        | PUR                                                                                     |
| Material, inner sheath                        | PVC                                                                                     |
| Material conductor insulation                 | PVC                                                                                     |
| Conductor material                            | Bare Cu litz wires                                                                      |
| Smallest bending radius, movable installation | 78 mm                                                                                   |
| Number of bending cycles                      | 2000000                                                                                 |
| Bending radius                                | 78 mm                                                                                   |
| Traversing path                               | 5 m                                                                                     |
| Traversing rate                               | 3 m/s                                                                                   |

## Certificates



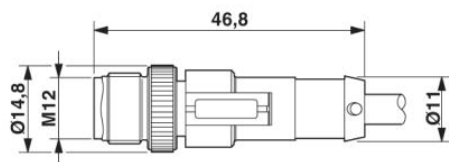
Certification

CUL Listed, GOST, UL Listed

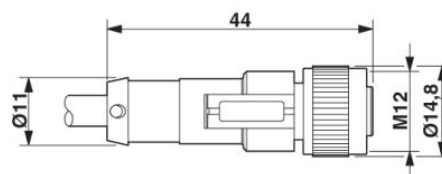
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## Drawings

Dimensioned drawing

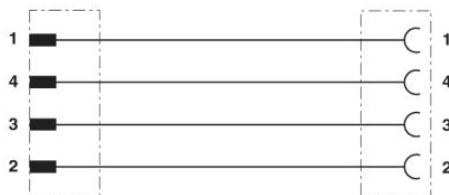


M12 x 1 male connector, straight



M12 x 1 female connector, straight

Circuit diagram



Schematic diagram

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



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