

## Overview

### Product information



**PM-M12T-04P-FF-SL8A01-20030000847**

Sensor/Actuator Cable,PVC,black,UL2517,Female plug,Straight M12,Coding T,Unshielded,Trimming cable end,Cable Cable length:1m

### Product advantages

- ☑ Sealing optimization, protection level up to IP68
- ☑ Meet the harsh environment
- ☑ Suitable for various occasions connection technology
- ☑ Compatible with the international and domestic same series products

### Product certification

**RoHS REACH**

## Technical data

### Product drawing

### 3D model

□

### Environmental conditions

Ambient temperature

-25℃...80℃

IP class

IP68

### General parameters

Rated current

12A

63V

Number of potentials

4

Insulation resistance

≥ 100 MΩ

Error-proof coding

T-Code

|                             |        |
|-----------------------------|--------|
| Overvoltage level           | III    |
| Pollution level             | 3      |
| Insertion and pullout cycle | ≥ 100  |
| Torque                      | 0.4 Nm |

#### Material

|                                        |                           |
|----------------------------------------|---------------------------|
| Flammability rating ,in line with UL94 | V0                        |
| Contact material                       | CuZn                      |
| Material contact surface               | Au                        |
| Contact carrier material               | PU                        |
| Coil material                          | Zinc alloy, nickel plated |
| Sealing material                       | Silicon                   |

#### Standards and specifications

|                          |                 |
|--------------------------|-----------------|
| Standards/specifications | IEC 61076-2-111 |
|--------------------------|-----------------|

#### Cable

|                                            |                                |
|--------------------------------------------|--------------------------------|
| Cable type                                 | PVC Black                      |
| Cable type(abbreviation)                   | PVC                            |
| UL AWM form                                | UL2464                         |
| Cross section                              | 1.31mm <sup>2</sup>            |
| AWG signal wire                            | 16AWG                          |
| Wire structure Signal wire                 | 26/0.254mm <sup>2</sup>        |
| Core diameter (including insulation layer) | 2.3±0.05mm                     |
| Wire color                                 | 1 Brown 2 White 3 Blue 4 Black |
| Thickness, insulation                      | 0.68mm                         |
| Cable outer diameter D                     | 7.8mm                          |
| Minimum bend radius ,fixed installation    | 5*OD                           |

|                                          |                              |
|------------------------------------------|------------------------------|
| Minimum bend radius ,mobile installation | 10*OD                        |
| Bending radius                           | 50.8mm                       |
| Cable weight                             | 105.5kg/km                   |
| Outer sheath, material                   | PVC                          |
| Conductor insulation material            | PVC                          |
| Conductor material                       | Tinned copper                |
| Insulation resistance                    | 10MΩ                         |
| Conductor resistance                     | Maximum 14.6Ω/km (at 20 °C ) |
| Nominal cable voltage                    | 300V                         |
| Cable test voltage                       | 2000V                        |
| Special attributes                       | Silicone-free                |
| Flame retardant                          | VW-1                         |
| Other protection functions               | Anti-UV                      |

Dimension

|              |    |
|--------------|----|
| Cable length | 1m |
|--------------|----|

Accessories

Accessories

|             |                 |
|-------------|-----------------|
| Sealing cap | CAP-M12-MP-8001 |
|-------------|-----------------|

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 20030000847 |
| Packing unit                        | /           |
| Minimum order quantity              | 100         |
| Products weight (without packaging) | /           |

