

## Overview

### Product information



**PM-M12A-05P-FF-SL8D01-20030000678**

Sensor/Actuator Cable,PUR,black,UL20549,Female plug,Straight M12,Coding A,Unshielded,Trimming cable end,Cable Cable length:1m,UL Certification

### 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

4A

60V

Number of potentials

5

Insulation resistance

≥ 100 MΩ

Error-proof coding

A-Code

|                             |        |
|-----------------------------|--------|
| Overvoltage level           | II     |
| 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               | PA                        |
| Fixture body material                  | TPU                       |
| Coil material                          | Zinc alloy, nickel plated |
| Sealing material                       | Silicon                   |

#### Standards and specifications

|                          |                 |
|--------------------------|-----------------|
| Standards/specifications | IEC 61076-2-101 |
|--------------------------|-----------------|

#### Cable

|                                            |                                       |
|--------------------------------------------|---------------------------------------|
| Cable type                                 | PUR Black                             |
| Cable type(abbreviation)                   | PUR                                   |
| UL AWM form                                | UL20549                               |
| Cross section                              | 0.34mm <sup>2</sup>                   |
| AWG signal wire                            | 22AWG                                 |
| Wire structure Signal wire                 | 17/0.16mm <sup>2</sup>                |
| Core diameter (including insulation layer) | 1.30±0.05mm                           |
| Wire color                                 | 1 Brown 2 White 3 Blue 4 Black 5 Gray |
| Thickness, insulation                      | 0.6mm                                 |
| Cable outer diameter D                     | 5.4 ±0.2mm                            |

|                               |                                      |
|-------------------------------|--------------------------------------|
| Outer sheath, material        | PU                                   |
| Conductor insulation material | PE                                   |
| Conductor material            | Tinned copper                        |
| Insulation resistance         | ≥100MΩ                               |
| Conductor resistance          | Maximum 59.4Ω/km (at 20 °C )         |
| Nominal cable voltage         | 300V                                 |
| Cable test voltage            | 2000V                                |
| Flame retardant               | Comply with UL 758/1581 FT2 standard |
| Oil resistance                | No                                   |

Dimension

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

Accessories

Accessories

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

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 20030000678 |
| Packing unit                        | /           |
| Minimum order quantity              | 100         |
| Products weight (without packaging) | /           |