

## Overview

### Product information



**SESH-M12A-03P-MM-SM8A01-20030001810**

Sensor/Actuator Male socket, Shielded, Male, M12, code A, Rear panel installation / M16 threaded mount, 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

-40℃...80℃

IP class

IP68

### General parameters

Rated current

4A

250V

Number of potentials

3

Insulation resistance

≥ 100 MΩ

Error-proof coding

A-Code

|                             |                         |
|-----------------------------|-------------------------|
| Overvoltage level           | II                      |
| Pollution level             | 3                       |
| Insertion and pullout cycle | ≥ 100                   |
| Torque                      | 0.4 Nm                  |
| Type of installation        | Rear board installation |

#### Material

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

#### Standards and specifications

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

#### Cable

|                                            |                        |
|--------------------------------------------|------------------------|
| Cable type                                 | PVC Black              |
| Cable type(abbreviation)                   | PVC                    |
| UL AWM form                                | UL2517                 |
| 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 3 Blue 4 Black |
| Thickness, insulation                      | 0.6mm                  |
| Cable outer diameter D                     | 5.0 ±0.2mm             |

|                               |                                      |
|-------------------------------|--------------------------------------|
| Outer sheath, material        | PVC                                  |
| Conductor insulation material | PVC                                  |
| Conductor material            | Tinned copper                        |
| Conductor resistance          | Maximum 59.4Ω/km (at 20 °C )         |
| Nominal cable voltage         | 300V                                 |
| Cable test voltage            | 2000V                                |
| Flame retardant               | Comply with UL 758/1581 FT1 standard |
| Halogen free                  | Yes                                  |

Accessories

Accessories

|             |                 |
|-------------|-----------------|
| Sealing cap | CAP-M12-FP-8002 |
|-------------|-----------------|

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 20030001810 |
| Packing unit                        | 100         |
| Minimum order quantity              | /           |
| Products weight (without packaging) | /           |