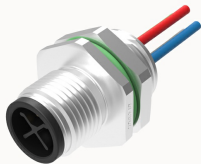


## Overview

### Product information



**SD-M12S-04P-MM-SH8B50-20030001218**

Sensor/Actuator Female socket,M12,Coding S,Front panel installation/M16\*1.5  
Thread mounted,With 0.5m litz wires

### 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

630V

Number of potentials

4

Insulation resistance

≥ 100 MΩ

Error-proof coding

S-Code

|                             |                                    |
|-----------------------------|------------------------------------|
| Overvoltage level           | II                                 |
| Pollution level             | 3                                  |
| Connection method           | Single wire                        |
| Insertion and pullout cycle | ≥ 100                              |
| Torque                      | 0.4 Nm                             |
| Type of installation        | Installation in front of the board |

#### 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 61076-2-111 |
|--------------------------|-----------------|

#### Cable

|                                            |                                             |
|--------------------------------------------|---------------------------------------------|
| UL AWM form                                | UL1015                                      |
| 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) | 3.1±0.05mm                                  |
| Wire color                                 | 1 Black1 2 Black2 3 Black3 PE Yellow /Green |
| Thickness, insulation                      | 0.73mm                                      |
| Conductor insulation material              | PVC                                         |
| Conductor material                         | Tinned copper                               |

|                       |                              |
|-----------------------|------------------------------|
| Insulation resistance | 10MΩ                         |
| Conductor resistance  | Maximum 14.6Ω/km (at 20 °C ) |
| Nominal cable voltage | 600V                         |
| Cable test voltage    | 2000V                        |
| Dimension             |                              |
| Cable length          | 0.5m                         |

Accessories

Accessories

|             |                 |
|-------------|-----------------|
| Sealing cap | CAP-M12-FP-8003 |
|-------------|-----------------|

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 20030001218 |
| Packing unit                        | /           |
| Minimum order quantity              | 100         |
| Products weight (without packaging) | /           |