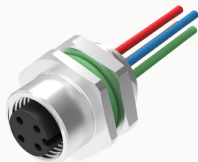


## Overview

### Product information



**SD-M12D-04P-FF-SH8A50-20030001201**

Sensor/Actuator Female socket,M12,Coding D,Front panel installation/PG9  
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

4A

250V

Number of potentials

4

Insulation resistance

≥ 100 MΩ

Error-proof coding

D-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 61076-2-101 |
|--------------------------|-----------------|

#### Cable

|                                            |                                |
|--------------------------------------------|--------------------------------|
| UL AWM form                                | UL1061                         |
| Cross section                              | 0.34mm²                        |
| AWG signal wire                            | 22AWG                          |
| Wire structure Signal wire                 | 17/0.16mm²                     |
| Core diameter (including insulation layer) | 1.30±0.05mm                    |
| Wire color                                 | 1 Brown 2 White 3 Blue 4 Black |
| Thickness, insulation                      | 0.203mm                        |
| Conductor insulation material              | PVC                            |
| Conductor material                         | Tinned copper                  |

|                       |                              |
|-----------------------|------------------------------|
| Insulation resistance | ≥ 20 MΩ                      |
| Conductor resistance  | Maximum 94.2Ω/km (at 20 °C ) |
| Nominal cable voltage | 300V                         |
| Cable test voltage    | 2000V                        |
| Dimension             |                              |
| Cable length          | 0.5m                         |

Accessories

Accessories

|             |                 |
|-------------|-----------------|
| Sealing cap | CAP-M12-MP-8002 |
|-------------|-----------------|

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 20030001201 |
| Packing unit                        | /           |
| Minimum order quantity              | 100         |
| Products weight (without packaging) | /           |