

## Overview

### Product information



**SD-M12B-05P-FF-SF8002-20030001180**

Sensor/Actuator Female socket, M12, Coding B, Rear panel installation/M16\*1.5  
Thread mounted, Soldering cup

### 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°C...105°C

IP class

IP68

### General parameters

Rated current

4A

60V

Number of potentials

5

Insulation resistance

≥ 100 MΩ

Error-proof coding

B-Code

|                             |                         |
|-----------------------------|-------------------------|
| Overvoltage level           | II                      |
| Pollution level             | 3                       |
| Connection method           | Soldering               |
| 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 |
|--------------------------|-----------------|

#### Accessories

##### Accessories

|             |                 |
|-------------|-----------------|
| Sealing cap | CAP-M12-MP-8003 |
|-------------|-----------------|

#### Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 20030001180 |
| Packing unit                        | /           |
| Minimum order quantity              | 100         |
| Products weight (without packaging) | /           |

