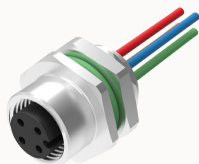


## Overview

### Product information



**SD-M12B-05P-FF-SH8A50-20030001184**

Sensor/Actuator Female socket,M12,Coding B,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

60V

Number of potentials

5

Insulation resistance

≥ 100 MΩ

Error-proof coding

B-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 5 Gray
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	20030001184
Packing unit	/
Minimum order quantity	100
Products weight (without packaging)	/