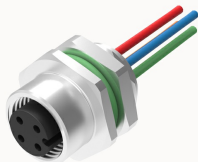


## Overview

### 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



## Technical data

### Product drawing

### 3D model

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### Environmental conditions

Ambient temperature	-25℃...80℃
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IP class	IP68
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### 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
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#### 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	$\geq 20\text{ M}\Omega$
Conductor resistance	Maximum 94.2 $\Omega$ /km (at 20 °C )
Nominal cable voltage	300V
Cable test voltage	2000V

Dimension

Cable length	0.5m
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Accessories

Accessories

Sealing cap	CAP-M12-MP-8002
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Business data

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