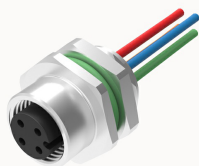


Overview

Product information



SD-M12A-08P-FF-SH8B50-20030001137

Sensor/Actuator Female socket,M12,Coding A,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



Technical data

Environmental conditions

Ambient temperature	-25°C...80°C
IP class	IP68

General parameters

Rated current	2A
	30V
Number of potentials	8
Insulation resistance	≥ 100 MΩ
Error-proof coding	A-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	0.25mm ²
AWG signal wire	24AWG
Wire structure Signal wire	7/0.20mm ²
Core diameter (including insulation layer)	1.10±0.05mm
Wire color	1 White 2 Brown 3 Green 4 Yellow 5 Gray 6 Pink 7 Blue 8 Red
Thickness, insulation	0.18mm
Conductor insulation material	PVC

Conductor material	Tinned copper
Insulation resistance	$\geq 20 \text{ M}\Omega$
Conductor resistance	Maximum $94.2\Omega/\text{km}$ (at 20°C))
Nominal cable voltage	300V
Cable test voltage	2000V

Dimension

Cable length	0.5m
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Accessories

Accessories

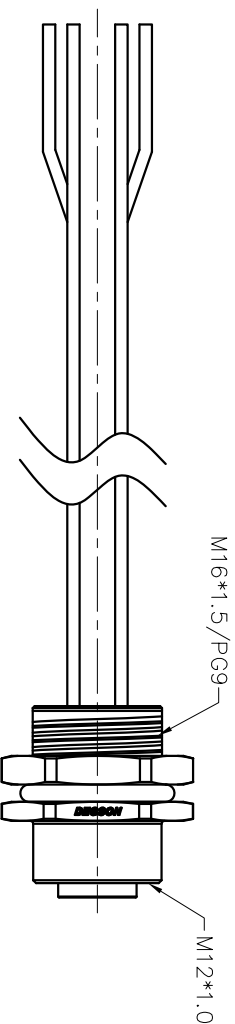
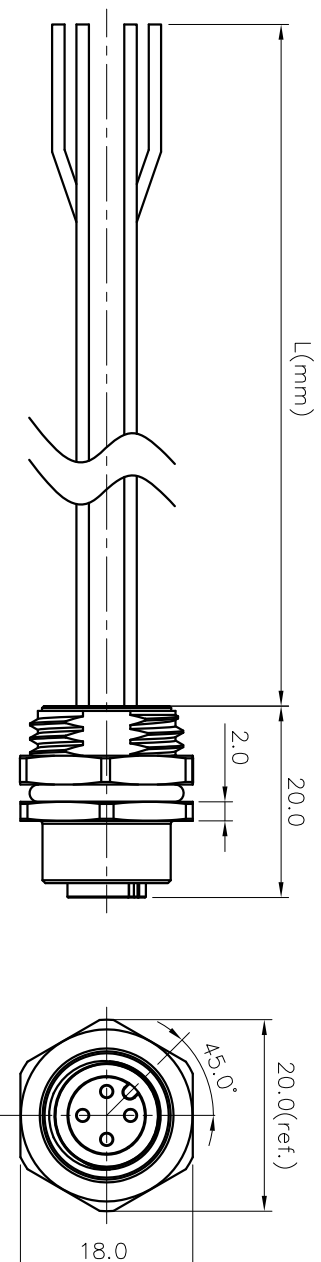
Sealing cap	CAP-M12-MP-8003
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Business data

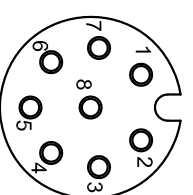
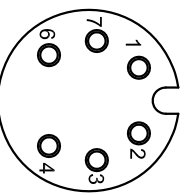
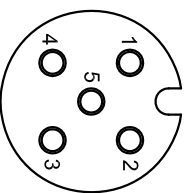
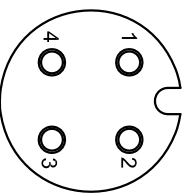
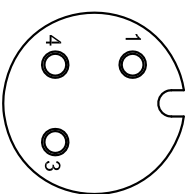
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Packing unit	/
Minimum order quantity	100
Products weight (without packaging)	/

REVISION RECORD			
REV	ECN	DESCRIPTION	DRFT DATE

REV	ECN	DESCRIPTION	DRFT	DATE
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3pin A Coding	4pin A Coding	5pin A Coding	6pin A Coding	8pin A Coding
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SD-M12X-XXP-FF-SH8XXX-00A(H)

Coding: A,B,D —

Pin number: 03,04,05,

Thread specification:

— XX: 150~1500mm

15:150±15mm

30: 300±20mm

50:500±20mm

AO: 1000±40mm

A5: 1500±40mm

Wire Length L: 150~1500mm

						8	Red
					7	Blue	7
					6	Pink	6
					5	Grey	5
4	Black	4	Black	4	Yellow	4	Yellow
3	Blue	3	Blue	3	Green	3	Green
		2	White	2	Brown	2	Brown
1	Brown	1	Brown	1	White	1	White
Pin	Wire Color	Pin	Wire Color	Pin	Wire Color	Pin	Wire Color
Pin Out		Pin Out		Pin Out		Pin Out	

PART NO.: SDM12XXXPF-SH8XXX-00AH		 DEGSON® DEGSON Germany GmbH	
APPD:		NAME: SD-M12X-XXPF-F-SH8XXX-00A(H)	
CHKO:			
DRFT: SQ 2019.05.17		TITLE: CUSTOMER DRAWING	REV DO-1
		DRAWING NO.: XXXXXXXX-XX-CXX	SHEET 1 / 2
THIRD ANGLE PROJECTION			DO NOT SCALE DRAWING
		MM	SCALE 1 : 1