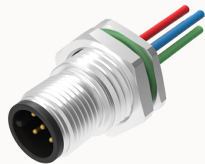


Overview

Product information



SD-M12A-08P-MM-SF8A50-20030001140

Sensor/Actuator Female socket,M12,Coding A,Rear 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

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	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
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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	≥ 20 MΩ
Conductor resistance	Maximum 94.2Ω/km (at 20 °C))
Nominal cable voltage	300V
Cable test voltage	2000V

Dimension

Cable length	0.5m
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Accessories

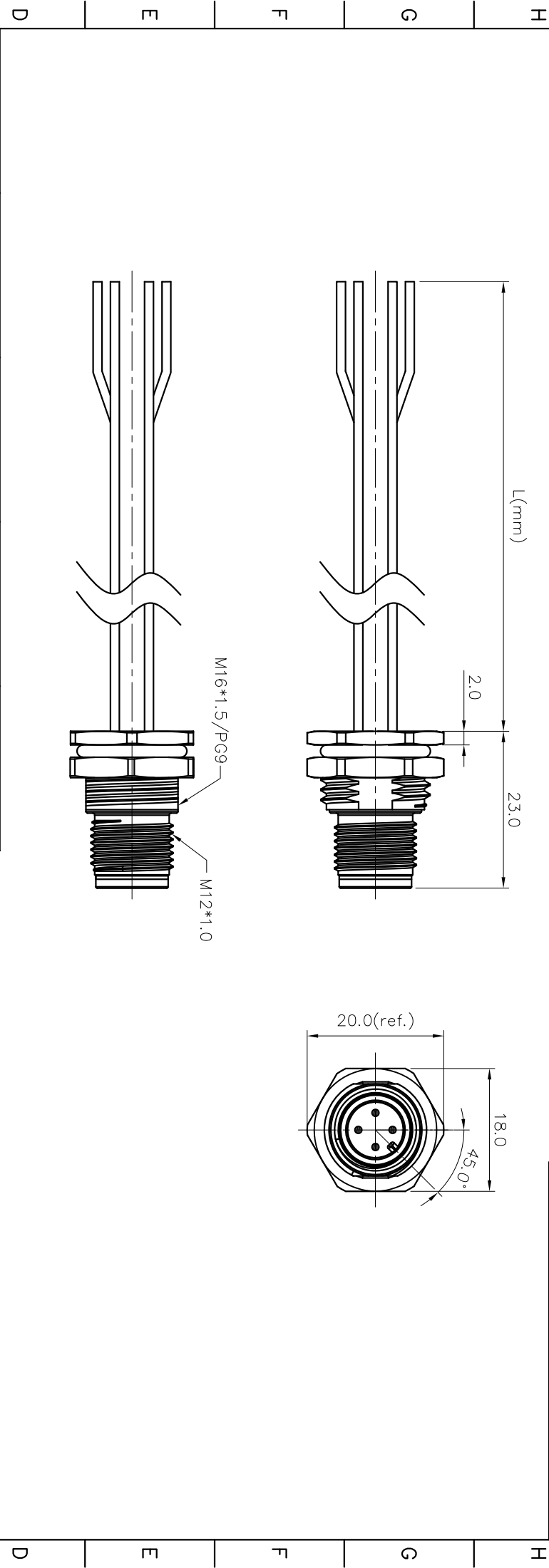
Accessories

Sealing cap	CAP-M12-FP-8002
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Business data

Order number	20030001140
Packing unit	/
Minimum order quantity	100
Products weight (without packaging)	/

REVISION RECORD			
REV	ECN	DESCRIPTION	DRAFT DATE



A	3pin A Coding		4pin A Coding		5pin A Coding		6pin A Coding		8pin A Coding	
	Pin	Wire Color	Pin	Wire Color	Pin	Wire Color	Pin	Wire Color	Pin	Wire Color
B	1	Brown	1	Brown	1	Brown	1	White	1	White
	2	Blue	2	Blue	2	Blue	2	Green	2	Green
	3	Black	3	Black	3	Black	3	Yellow	3	Yellow
	4	Blue	4	Blue	4	Grey	4	Grey	4	Grey
C	1	Brown	1	Brown	1	Brown	1	White	1	White
	2	Blue	2	Blue	2	Blue	2	Green	2	Green
	3	Black	3	Black	3	Black	3	Yellow	3	Yellow
	4	Blue	4	Blue	4	Grey	4	Grey	4	Grey
D	1	Brown	1	Brown	1	Brown	1	White	1	White
	2	Blue	2	Blue	2	Blue	2	Green	2	Green
	3	Black	3	Black	3	Black	3	Yellow	3	Yellow
	4	Blue	4	Blue	4	Grey	4	Grey	4	Grey
E	1	Brown	1	Brown	1	Brown	1	White	1	White
	2	Blue	2	Blue	2	Blue	2	Green	2	Green
	3	Black	3	Black	3	Black	3	Yellow	3	Yellow
	4	Blue	4	Blue	4	Grey	4	Grey	4	Grey
F	1	Brown	1	Brown	1	Brown	1	White	1	White
	2	Blue	2	Blue	2	Blue	2	Green	2	Green
	3	Black	3	Black	3	Black	3	Yellow	3	Yellow
	4	Blue	4	Blue	4	Grey	4	Grey	4	Grey
G	1	Brown	1	Brown	1	Brown	1	White	1	White
	2	Blue	2	Blue	2	Blue	2	Green	2	Green
	3	Black	3	Black	3	Black	3	Yellow	3	Yellow
	4	Blue	4	Blue	4	Grey	4	Grey	4	Grey
H	1	Brown	1	Brown	1	Brown	1	White	1	White
	2	Blue	2	Blue	2	Blue	2	Green	2	Green
	3	Black	3	Black	3	Black	3	Yellow	3	Yellow
	4	Blue	4	Blue	4	Grey	4	Grey	4	Grey

SD-M12X-XXP-MM-SF8XXX-00A(H)

Coding: A,B,D

Pin number: 03,04,05, 06,08,10,12

Thread specification: _____

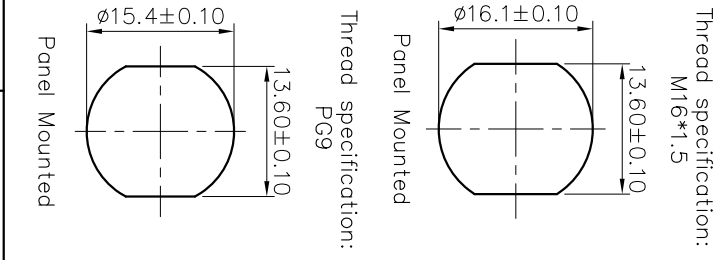
A: PG9, B: M16*1.5

XX: 150~1500mm
15: 150±15mm
30: 300±20mm
50: 500±20mm
A0: 1000±40mm
A5: 1500±40mm
Wire Length L: 150~1500mm

DETACHED LISTS			
PART NO:	SDM12XXXPMMSF8XXX00AH	DEGSON®	DEGSON Germany GmbH
APPD:		NAME:	SD-M12X-XXP-MM-SF8XXX-00A(H)
CHKD:		TITLE:	CUSTOMER DRAWING
DRAFT:	SQ 2019.05.17	DRAWING NO.:	XXXXXXXX-XX-CXX
THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING	SCALE
		MM (INCH)	1:1

REVISION RECORD			
REV	ECN	DESCRIPTION	DFT DATE

H	L(mm)			
G				
F				
E				
D	10pin A Coding	12pin A Coding	5pin B Coding	4pin D Coding
C	Pin Assignments Front View	Pin Assignments Front View	Pin Assignments Front View	Pin Assignments Front View
B	Pin Assignments Front View	Pin Assignments Front View	Pin Assignments Front View	Pin Assignments Front View
A	Pin Assignments Front View	Pin Assignments Front View	Pin Assignments Front View	Pin Assignments Front View



DETACHED LISTS			
PART NO:	SDM12XXXXPMMSF8XXXX00AH	DEGSON®	DEGSON Germany GmbH
APPD:		NAME:	SD-M12X-XXP-MM-SF8XXX-00A(H)
CHKD:		TITLE:	CUSTOMER DRAWING
DFT:	SQ 2019.05.17	DRAWING NO.:	XXXXXXXX-XX-CXX
THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING	SCALE

NOTES:

1. Rated voltage/current : 3pin A: 250V / 4A
4pin A: 250V / 4A
5pin A: 60V / 4A
6pin A: 30V / 2A
8pin A: 30V / 2A
10pin A: 30V / 1.5A
12pin A: 30V / 1.5A
5pin B: 60V / 4A
4pin D: 250V / 4A
2. Withstanding voltage : 3, 4pin: AC1500V/1Min
5pin: AC1120V/1Min
6, 8pin: AC500V/1Min
10, 12pin: AC500V/1Min
5pin B: AC1120V/1Min
4pin D: AC1500V/1Min
3. Levels of protection: IP68
4. Wire specifications :

- 3pin A: 22AWG/0.34mm², UL1061
4pin A: 22AWG/0.34mm², UL1061
5pin A: 22AWG/0.34mm², UL1061
6pin A: 24AWG/0.25mm², UL1061
8pin A: 24AWG/0.25mm², UL1061
10pin A: 26AWG/0.14mm², UL1061
12pin A: 26AWG/0.14mm², UL1061
5pin B: 22AWG/0.34mm², UL1061
4pin D: 22AWG/0.34mm², UL1061
5. Wire connection mode: soldering
6. Operating temperature: -25℃~+80℃
7. For Panel Thickness Max: 4.5mm
8. RoHS Compliance
9. Tolerance :

- .X ±0.25mm
.XX ±0.1mm
L ±1°