

## M12 Circular Connector

#### Part Number:

## M12-08-A-P-4-S-L

Client Order no.: Item no.:

Order no.: Consignment no.:

Offer no.: Project:

Remarks:



#### **Basic Information**

**Connector Series:** M12 Field Wireable Connector

**Connector Gender:** Male

Orientation: Straight

Connector Coding: A Coded

**Number of Contacts:** 8 Pin

#### **Materials and Plating**

**Shell Material:** Brass, Plastic (for shell base)

**Shell Plating:** Nickel-plated, None (for shell base)

**Insulation Material:** Polyamide 66 GF25

**Contact Material:** CuZn

Contact Plating: Au

#### **Electrical Performance**

Rated Voltage: 30V

Rated Current: 2A

**Insulation Resistance:**  $\geqslant$  100 M $\Omega$ 

Contact Resistance:  $< 10 \text{ m}\Omega$ 

**Standard:** IEC 61076-2-101

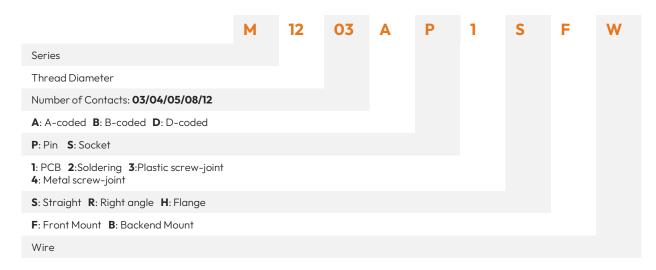
**Shielding Performance:** Shielded

Page 1 sales@metabeeai.com



Mechanical Performance		
Coupling method:	Threaded Coupling	
Threaded Size:	M12x1	
Mount Method	Cable Type	
Mount Feature	Not Applicable	
Contact Termination	Screw Joint	
Cable Od	Not Applicable	
Thread Aperture	Not Applicable	
Durability	≥500 cycles	
Wire Gauge	0.14/0.25/0.34/0.5mm²/(26/24/22/20AWG)	
	Environmental Performance	
Temperature Range:	-25°C to 85°C	
Ip Rating:	IP67	

### M12 Connector Part Number Breakout



Learn more about this connector on Metabee's M series connector catalog.

Page 2 <u>sales@metabeeai.com</u>



# M12 Connector Pinout and Wiring Diagram

3 3 pe 3	PE PE PE PE 4		
3 3 PE 1 PE 2 PE 2 PE 3 PE 3	2 4 PE		
5 2 5 1 2 5 1 4 5 1 1 PE 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PE		
6 3 2 0 1 7 8 PE 1 8 S 1 1 S 6 1 S 6 1	1 PE 5 2 4		
8 3 4 5 6 7 7 8 6 7 7 8 6 7 7			
12			
17			
芯位 线芯颜色 芯位 线芯颜色 芯位 线芯颜色 Pins Wire core color Pins Wire core color Pins Wire core color			
2芯(Pins) 3芯(Pins) 4芯A編码(4 Pins A-Code) 4芯B編码(4 Pins B-Code) 4芯			
2 - 2 - 2 WH WH	YE WH		
	OG BU		
芯位   线芯颜色   芯位   线芯颜色     Pins   Wire core color   Pins   Wire core color     Pins   Wire core color			
5芯A编码(5 Pins A-Code) 5芯B编码(5 Pins B-Code) 12芯(Pins)	17芯(Pins)		
1 BN BN 1 BN 1 BN 2 BU 2 BU 2 BU			
3 BU BU 3 WH 3 WH 4 GN 4 GN 4 GN 5 CV 5 C			
5     GY     GY     5     PK     6     YE     6     YE     6     YE     7     BK       芯位     线芯颜色     次位     次位     7     BK     7     BK			
Pins         Wire core color         Pins         Wire core color         8         GY         8         GY           6 ***(Disc)         9 **RD         9 **RD         9 **RD         9 **RD			
1 BN 1 WH 11 OG 11 OG			
2 WH 2 BN 12 LTGN 12 LTGN 13 LTBU			
4 BK 4 YE 14 BKWH 5 - 5 GY 15 BNWH 6 GY 6 PK 16 RDWH			
6 GY 7 RD 7 BU 16 RDWH 17 BUWH			

 $\underline{\text{The Ultimate Guide to M12 Connector Pinout, Color Code, and Wiring Diagram - Metabee Al (PDF Format, 33 pages, 4.5 MB)}$ 

Page 3 sales@metabeeai.com

# Thanks!

Our team of passionate experts brings a wealth of experience to the table, ready to collaborate with you and unlock your full potential. By joining forces, we can create innovative solutions and achieve remarkable things.



#### **CONTACT US**

Phone: +86 159 2624 1606
E-mail: sales@metabeeai.com
Web: metabeeai.com & metabee.com

**Address:** Room 708, 7th Floor, Building 2, No. 489, Guanghuadong Third Road, Qingyang District, Chengdu, Sichuan, China