

M12 Circular Connector

Part Number:

M12-04-A-P-4-R

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: Right Angle

Connector Coding: A Coded

Number of Contacts: 4 Socket

Materials and Plating

Shell Material: Brass

Shell Plating: Nickel-plated

Insulation Material: Polyamide 66 GF25

Contact Material: CuZn

Contact Plating: Au

Electrical Performance

Rated Voltage: 250V

Rated Current: 4A

Insulation Resistance: \geqslant 100 M Ω

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

Standard: IEC 61076-2-101

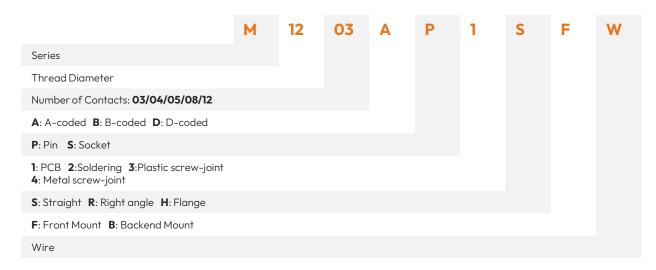
Shielding Performance: Unshielded

Page 1 <u>sales@metabeeai.com</u>



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