

M12 Circular Connector

Part Number:

M12-05-A-S-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: Female

Orientation: Right Angle

Connector Coding: A Coded

Number of Contacts: 5 Pin

Materials and Plating

Shell Material: Brass

Shell Plating: Nickel-plated

Insulation Material: Polyamide 66 GF25

Contact Material: CuSn

Contact Plating: Au

Electrical Performance

Rated Voltage: 60V

Rated Current: 4A

Insulation Resistance: \geqslant 100 M Ω

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

Standard: IEC 61076-2-101

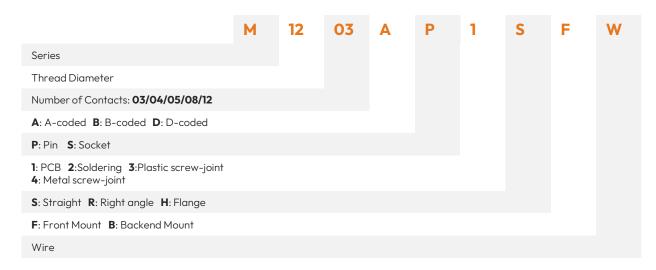
Shielding Performance: Shielded

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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.

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M12 Connector Pinout and Wiring Diagram

Pins	А	В	С	D	Х	Y	S	Т	K	L	М	
2	3						1 3	3 • !	2 3	2	2004	
3	3 4		2 PE 3				1 PE	PE 1	PE 2	PE 2	2 PE 4	
4	2 0 1	2 1	3 PE	2 1			1 PE 3	3 PE 2	1 PE	1 PE 3	1 PE	
5	2 0 1	2 1	4 PE 2						1 PE 4	1 PE 4	PE 5	
6	3400		4 PE 2			4 2 1					1 PE 5 2 4	
8	3 4 8 6 7				6 4 3 7 8 1 2	4 3 2 1 5 6 7						
12	3 2 10 1 9 8 11 5 6 7 12				7							
17	3 4 5 6 7											
芯位 Pins	芯位 线芯颜色 芯位 线芯颜色 Pins Wire core color Pins Wire core color						芯位 线芯颜色 Pins Wire core color					
	2芯(Pi	ns)		3芯(P	ins)	4芯A编码(4 Pins A-Code) 4芯B编码(4 Pins B-Code) 4芯D编码(4 Pins D-Code)						
2	BN -		2	BN -		1 Br	Н	BN WH		YE WH		
3	BU		4	BU BK		3 BI		BU BK		OG BU		
芯位 线芯颜色 Pins Wire core color							芯位 线芯颜色 芯位 线芯颜色 Pins Wire core color Pins Wire core color					
		Pins A-Code)		たB编码(5 Pins	B-Code)		12芯(Pins)			(Pins)	
2 \	BN WH BU		BN WH BU			2	BN BU WH		2	BN BU WH		
4	BK GY		BK GY			4	GN PK		3 4	GN PK		
芯位	线芯颜	色	芯位			5 6 7	YE BK		5 6 7	YE BK		
Pins	Wire core 6芯(Pir	color	Pins	Wire con 8芯(P	e color	9	RD RD		9	RD RD		
1	BN	/	1 V	VH		10	VT OG		10	VT OG		
3	NH BU		3 (SN SN		12 L	TGN		13	LTGN LTBU		
5	GY	-	5 (YE GY PK					15	BKWH BNWH RDWH		
	RD		7 E	BU RD					17	BUWH		

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

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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