

## M12 Circular Connector

#### Part Number:

## M12-05-B-S-4-S

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:** Straight

Connector Coding: B 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 $\Omega$ 

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

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

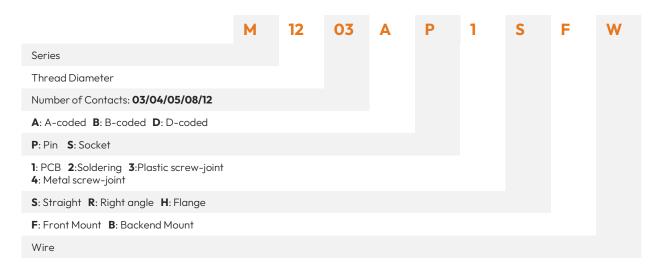
**Shielding Performance:** Shielded

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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 <b>• !</b>	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		<b></b>	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**

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