

## M12 Circular Connector

#### Part Number:

## M12-04-A-P-3-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 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: 250V

Rated Current: 4A

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

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

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

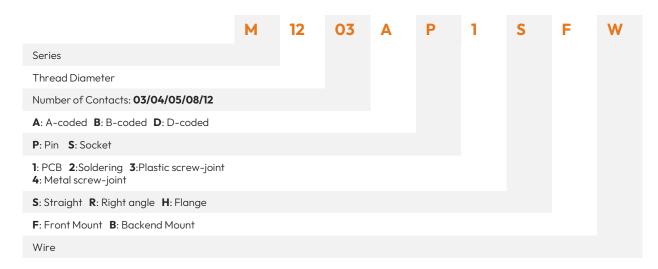
Shielding Performance: Unshielded

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



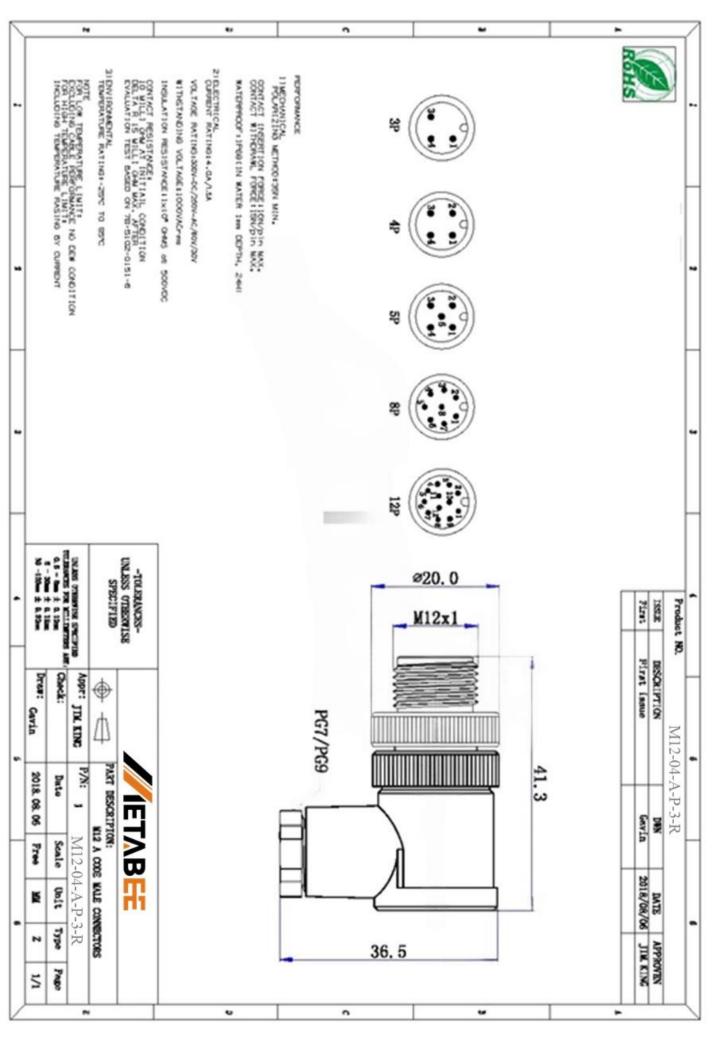
Mechanical Performance									
Coupling method:	Threaded Coupling								
Threaded Size:	M12x1								
Mount Method	Cable Type								
Mount Feature	Not Applicable								
Contact Termination	Screw Joint								
Cable Od	4-6mm, 6-8mm								
Thread Aperture	PG7, PG9								
Durability	≥500 cycles								
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

Pins	А	В	С	D	Х	Υ	S	Т	K	L	М
2	3						1 3	3	2	2	2004
3	3 4		2 PE 3				1 PE 3	PE 1	2 PE 3	PE 2	PE 2 2
4	2 0 1	2 1	3 PE	3			1 PE 3	3 PE 2	1 PE	1 PE	1 PE
5	2 0 1	2 5 4	4 PE 2						1 PE 4	1 PE 4	PE 5
6	3 4 5 6		4 PE 2 6 5 1			4 2 1					1 PE 5 2 4
8	3 4 8 6				6 4 3 7 8 1 2	4 2 1 5 6 7					
12	2 10 10 10 8 8 11 5 6 7				/1						
17	3 4 5 6 7				IE						
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					
1 1	2芯(Pins)		3芯(Pins)			4芯A编码(4 Pins A-Code) 4芯B编码 1 BN BN			4芯D编码(4 Pins D-Code) YE		
	- BU		3	- BU BK		2 WI 3 BL 4 BI	J	BU BK		OG BU	
芯位 Pins		<b>ģ</b> Wir	浅芯颜色 e core color			芯位 Pins	线芯A Wire cor	颜色	芯位 Pins	线芯	颜色 pre color
		Pins A-Code)	57.	芯B编码(5 Pins	B-Code)		12芯(	Pins)		17芯	(Pins)
2 N	BN WH BU		BN WH BU			2	BN BU WH		1 2 3	BN BU WH	
5	BK GY		BK GY			5 6	GN PK YE		4 5 6	PK YE	
芯位 Pins	线芯颜 Wire core	color	芯位 Pins	线芯度 Wire con	e color	7 8	BK GY RD		7 8 9	BK GY RD	
1 1	6芯(Pir	ns)	1 \	8芯(P WH	ins)	10	VT OG		10	VT OG	
3 1	WH BU		3 (	BN GN		12 L	TGN		12	LTBU	es e
5	BK - GY	-	5	YE GY PK					15 E	BKWH	
7	RD		7 1	BU RD					16 F	RDWH BUWH	

Page 4 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