

# M12 Circular Connector

#### Part Number :

M12	-04-	D-P-	<b>4-S</b>
-----	------	------	------------

Client Order no.: Order no.: Offer no.: Remarks: ltem no. : Consignment no. : Project :



Basic Information					
Connector Series: M12 Field Wireable Connector					
Connector Gender:	Male				
Orientation:	Straight				
Connector Coding:	D Coded				
Number of Contacts:	4 Pin				

### **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:	≥100 MΩ
Contact Resistance:	< 10 mΩ
Standard:	IEC 61076-2-101
Shielding Performance:	Unshielded



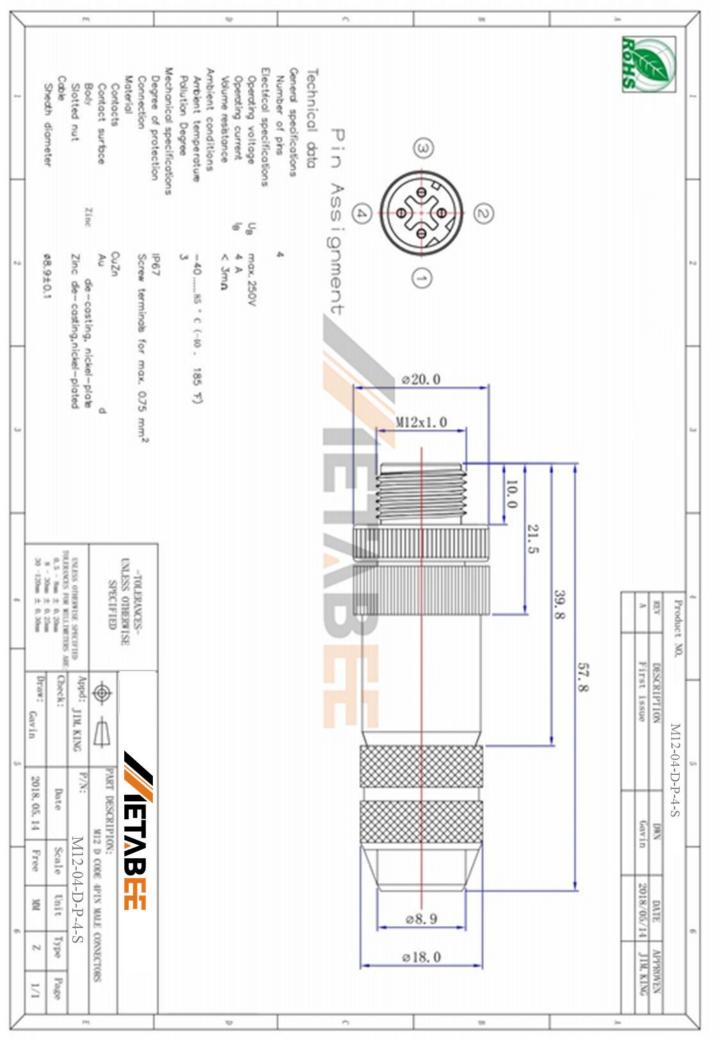
Mechanical Performance						
Coupling method:	Threaded Coupling					
Threaded Size:	M12x1					
Mount Method	Cable Type					
Mount Feature	Not Applicable					
<b>Contact Termination</b>	Screw Joint					
Cable Od	Not Applicable					
Thread Aperture	Not Applicable					
Durability	≥500 cycles					
Wire Gauge	0.14/0.25/0.34/0.5mm²/(26/24/22/20AWG)					
	Environmental Performance					
Town on these Denses						

Temperature Range:	-25°C to 85°C
Ip Rating:	IP67

## M12 Connector Part Number Breakout

	М	12	03	Α	Ρ	1	S	F	W
Series									
Thread Diameter									
Number of Contacts: 03/04/05/08/12									
A: A-coded B: B-coded D: D-coded									
P: Pin S: Socket									
1: PCB 2:Soldering 3:Plastic screw-joint 4: Metal screw-joint									
S: Straight R: Right angle H: Flange									
F: Front Mount B: Backend Mount									
Wire									

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





Pins	A	В	С	D	Х	Y	S	Т	К	L	М
2	3						1 3	3 • • •	2003	2	2004
3			2 PE				1 PE	PE 1	2 PE	2 PE	2 0 4
4							1 PE 2 3		1 2 2 3	1 2 PE	
5			4						1 PE 2 4	1 PE 2 3	1 0 5 2 0 4
6	3 4 6 7										
8	3 4 5 6 7					4 5 6 7					
12	3 11 5 6 7 12										
17							)EE				
芯位 Pins	线芯颜 Wire core	色 color	芯位 Pins	线芯意 Wire core	愛色 e color	芯位 Pins		w	线芯颜色 ire core color		

## M12 Connector Pinout and Wiring Diagram

芯位 Pins			芯位 Pins	线芯颜色 Wire core color			
				3芯(Pins)			
1	BN		1	BN			
2	-		2	-			
3	BU		3	BU			
			4	BK			

芯位 Pins	线芯颜色 Wire core color						
1	5芯A编码(5 Pins)	-Code) 5芯B编码(5 Pins B-C	ode)				
	BN	BN					
2	WH	WH					
3	BU	BU					
4	BK	ВК					
5	GY	GY					

芯位 Pins		线芯颜色 Wire core color	芯位 Pins	线芯颜色 Wire core color <mark>8芯(Pins)</mark>		
		6芯(Pins)				
1	BN		1	WH		
2	WH		2	BN		
3	BU		3	GN		
4	BK		4	YE		
5	-		5	GY		
6	GY		6	PK		
7	RD		7	BU		
	1000		8	RD		

Pins	ns Wire core color									
	4芯A编码(4	Pins A-Code)	4芯B编码	(4 Pins B-C	ode)	4芯D编码(4 Pins D-Code				
1	BN		BN		1	YE				
2	WH		WH			WH				
3	BU		BU			OG				
4	BK		BK			BU				
芯( Pins	1.00	线芯颜色 Wire core col	or	芯位 Pins			な颜色 ore color			
	12芯(Pins)		e			17志	t(Pins)			
1	BN			1	BN	V				
2	BU			2	BL	J				
3	WH			W	н					

4	GN	
5	PK	
6	YE	
7	BK	
8	GY	
9	RD	
10	VT	
11	OG	
12	LTGN	

BU			
芯位 Pins	线芯颜色 Wire core color <b>17芯</b> (Pins)		
1	BN		
2	BU		
3	WH		
4	GN		
5	PK		
6	YE		
7	BK		
8	GY		
9	RD		
10	VT		
11	OG		
12	LTGN		
13	LTBU		
14	BKWH		
15	BNWH		
16	RDWH		
17	BUWH		

The Ultimate Guide to M12 Connector Pinout, Color Code, and Wiring Diagram – MetabeeAI (PDF Format, 33 pages, 4.5MB)



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:** <u>sales@metabeeai.com</u> **Web:** <u>metabeeai.com</u> & <u>metabee.com</u> **Address:** Room 708, 7th Floor, Building 2, No. 489, Guanghuadong Third Road, Qingyang District, Chengdu, Sichuan, China