

M12 Circular Connector

Part Number :

M12	-04-	D-P-	4-S
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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



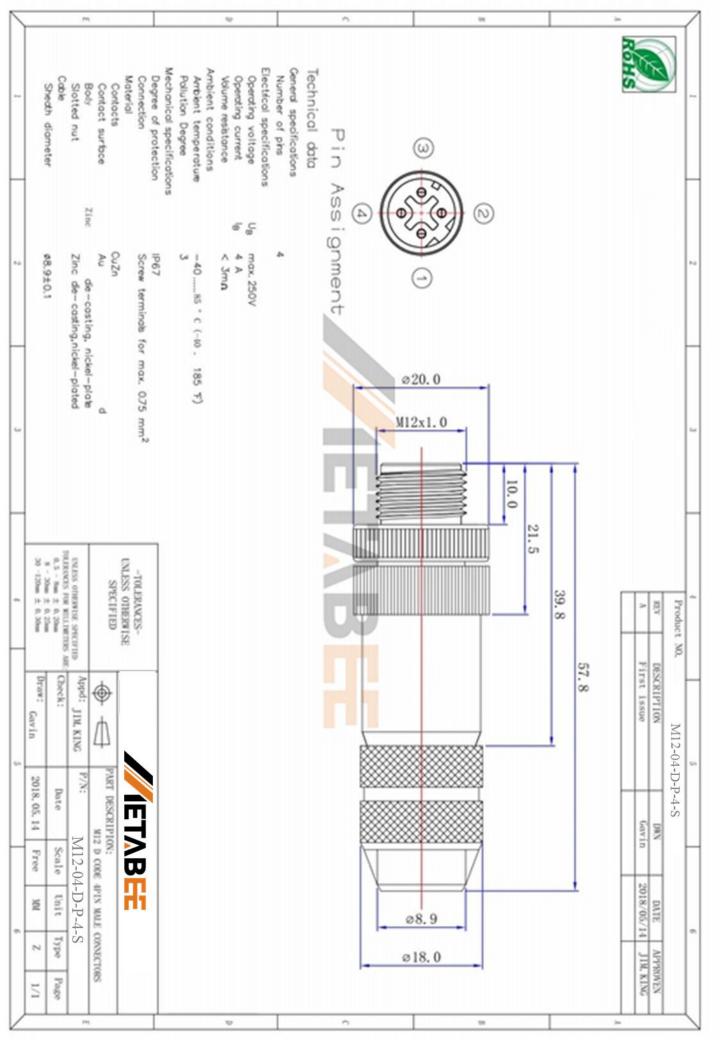
Mechanical Performance						
Coupling method:	Threaded Coupling					
Threaded Size:	M12x1					
Mount Method	Cable Type					
Mount Feature	Not Applicable					
Contact Termination	Screw Joint					
Cable Od	Not Applicable					
Thread Aperture	Not Applicable					
Durability	≥500 cycles					
Wire Gauge	0.14/0.25/0.34/0.5mm²/(26/24/22/20AWG)					
	Environmental Performance					
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 17芯 (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.





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