

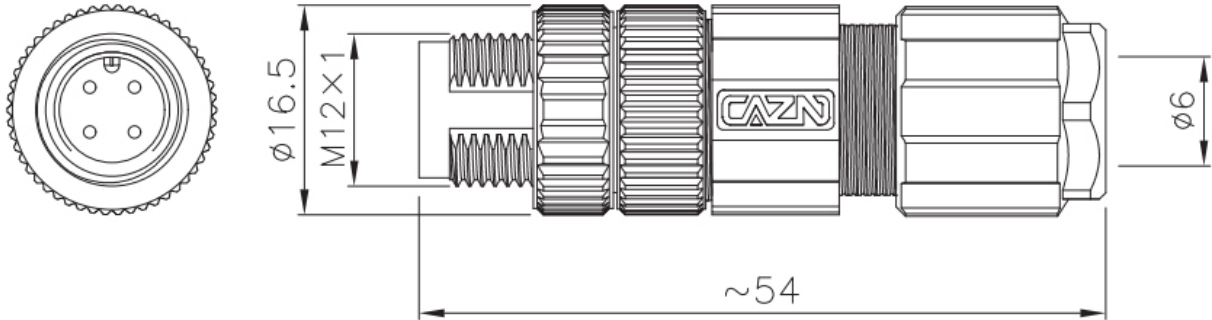


- European standard connector M12 series
- Structure type: Metal Assembled Straight Plug
- Pin type: Male type
- Contacts number: 2,3,4,5,6,8,12,17 Pins
- Connection method: Solder
- Shield: Yes
- Certification: CE,RoHS,UL ,
- Standard: IEC 61076-2-101

## TECHNICAL PARAMETERS

Shell material	Brass nickel plating / Zinc alloy nickel / PA+GF
Insulator material	PA+GF / TPU
Sealing material	Epoxy resin / Rubber
Contact material	Brass / Phosphorus copper gold-plated
Molding material	TPU / PVC
Insulation impedance	$\geq 100 \text{ M}\Omega$
Contact impedance	$\leq 5 \text{ m}\Omega$
Durability	$\geq 500 \text{ Cycles}$
Applicable temperature	-25°C ~ +80°C
Waterproof	IP65 / IP67
Executive standard	IEC 61076-2-101

## DIMENSION



## WIRING DEFINITION

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

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

芯位 Pins	线芯颜色 Wire core color
6芯(Pins)	
1	BN
2	WH
3	BU
4	BK
5	-
6	GY
7	RD

芯位 Pins	线芯颜色 Wire core color
8芯(Pins)	
1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

芯位 Pins	线芯颜色 Wire core color					
	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)	
1	BN	BN	BN	BN	YE	YE
2	WH	WH	WH	WH	WH	WH
3	BU	BU	BU	BU	OG	OG
4	BK	BK	BK	BK	BU	BU

芯位 Pins	线芯颜色 Wire core color
12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

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

\*接线定义按常规标准，如按协议或者其他请联系我司业务。

Wiring definition according to conventional standards, if according to the agreement or other please contact our sales.

ELECTRICAL PARAMETERS

芯数 Pins	针型 Male				额定电流 Rated current	额定电压 Rated voltage		导体规格 Conductor size		孔型 Female			
	A	B	C	D		A/C	D/C	AWG	mm <sup>2</sup>	A	B	C	D
2					4A	250V	250V	22	0.34				
3					4A	250V	250V	22	0.34				
4					4A	250V	250V	22	0.34				
5					4A:A型(A-Code) B型(B-Code) 2A:C型(C-Code)	60V	60V	22	0.34				
6					2A	30V	30V	24	0.25				
8					2A	30V	30V	24	0.25				
12					1.5A	30V	30V	26	0.14				
17					1.5A	30V	30V	26	0.14				

Ordering products

Product name	Pins	Outlet size-PG7	3D Download	2D Download
M12 Straight Male metal assembled plug (solder)	2A	M12-P2A-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	3A	M12-P3A-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	4A	M12-P4A-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	4D	M12-P4D-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	5A	M12-P5A-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	5B	M12-P5B-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	6A	M12-P6A-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	8A	M12-P8A-GWAP7		<a href="#">↓</a>
M12 Straight Male metal assembled plug (solder)	12A	M12-P12A-GWAP7		<a href="#">↓</a>

M12 Straight Male metal assembled plug (solder)	17A	M12-P17A-GWAP7		<a href="#">↓</a>
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### Data Download

Product Catalog	<a href="#">CAZN-M-SERIE-CONNECTOR</a> , <a href="#">CAZN-NMEA-Dedicated-Connector</a>
EMC	<a href="#">EMC Certificate</a>
RoHS	<a href="#">RoHS Certificate</a>