

## M12 Male Front Mount Socket PCB Screw M16\*1.5/PG9



- European standard connector M12 series
- Structure type: Front mount socket
- Pin type: Male type
- Contacts number: 2,3,4,5,6,8,12,17 pins
- Connection method: PCB
- Shield: No
- Certification: CE,RoHS,UL ,
- Standard: IEC 61076-2-101

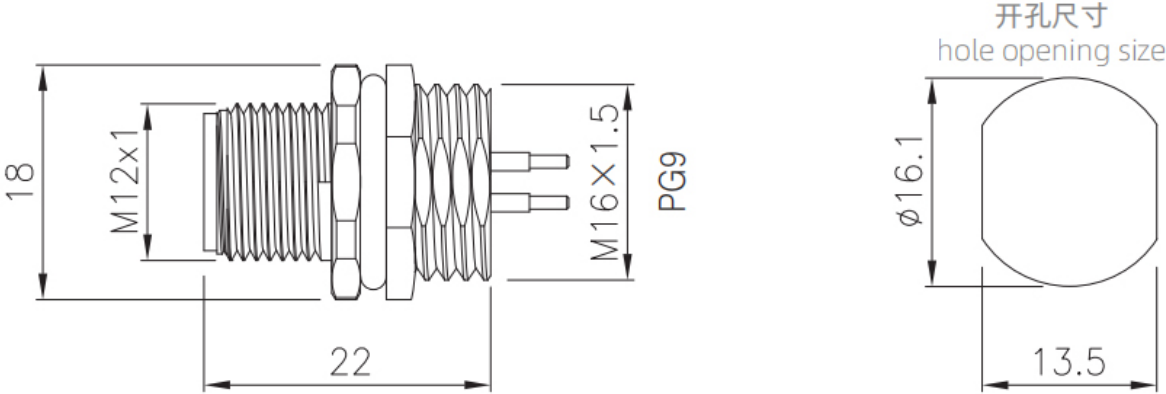
### TECHNICAL PARAMETER

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	$\geq 500$ Cycles
Applicable temperature	-25°C ~ +80°C
Waterproof	IP65/IP67
Executive standard	IEC 61076-2-101

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DIMENSION



PCB PIN BITMAP

芯数 Pins	2A	3A	4A	4D	5A
针型 插板式芯位分布图 Male PCB Pins Arrangement					
	5B	6A	8A	12A	17A
芯数 Pins	2A	3A	4A	4D	5A
孔型 插板式芯位分布图 Female PCB Pins Arrangement					
	5B	6A	8A	12A	17A

ELECTRICAL PARAMETERS

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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	Model Name (Screw:M16x1.5)	Model Name (Screw:PG9)	3D Download	2D Download
M12 Male Front Mount Socket-PCB	2A	M12-P2A-GPB M16	M12-P2A-GPB P9		
M12 Male Front Mount Socket-PCB	3A	M12-P3A-GPB M16	M12-P3A-GPB P9		
M12 Male Front Mount Socket-PCB	3C	M12-P3C-GPB M16	M12-P3C-GPB P9		
M12 Male Front Mount Socket-PCB	4A	M12-P4A-GPB M16	M12-P4A-GPB P9		
M12 Male Front Mount Socket-PCB	4D	M12-P4D-GPB M16	M12-P4D-GPB P9		
M12 Male Front Mount Socket-PCB	4C	M12-P4C-GPB M16	M12-P4C-GPB P9		
M12 Male Front Mount Socket-PCB	5A	M12-P5A-GPB M16	M12-P5A-GPB P9		



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M12 Male Front Mount Socket-PCB	5B	M12-P5B-GPB M16	M12-P5B-GPB P9		
M12 Male Front Mount Socket-PCB	5C	M12-P5C-GPB M16	M12-P5C-GPB P9		
M12 Male Front Mount Socket-PCB	6A	M12-P6A-GPB M16	M12-P6A-GPB P9		
M12 Male Front Mount Socket-PCB	6C	M12-P6C-GPB M16	M12-P6C-GPB P9		
M12 Male Front Mount Socket-PCB	8A	M12-P8A-GPB M16	M12-P8A-GPB P9		
M12 Male Front Mount Socket-PCB	12A	M12-P12A-GPB M16	M12-P12A-GPB P9		
M12 Male Front Mount Socket-PCB	17A	M12-P17A-GPB M16	M12-P17A-GPB P9		