M12 Female Panel Mount, PCB Type, Rear Fastened

M12 Circular Connector

Download date : 2025-12-07

Connector Series：M12
Gender：Female
Coding：A,B,C,D
Locking Type：Fix Screw
Mounting Type：Rear Fastened
Part No：M12-X**-ST0-F01-BH*
X:A,B,C,D Coding
**:03,04,05...(Pin)
*:1=M16X1.5 2=PG9,...

For reference only!version1.0

Technical Data

Standard	IEC61076-2-101
Ambient Temperatur	-40℃~+105℃
Insulation Resistance	≥100MΩ
Contact Resistance	≤10mΩ
IP Class	IP67
Mating Endurance	>100 Mating Cycles

Material Data

Connector Carriers	PA
Connector Contacts	Copper Alloy With Gold Plated 铜镀金
Connector Nut/Screw	Copper Alloy With Nickel Plated 铜镀镍
Seal/O-Ring	FKM 氟橡胶
Shielding	Unshielded 非屏蔽
Length of the Solder Pin	6mm

Electrical Data & Mechanical Date

Contacts Pin	3/4Pins	5Pins	6/8Pins	12/17Pins

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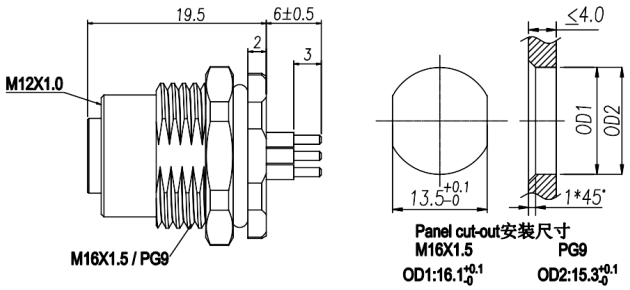
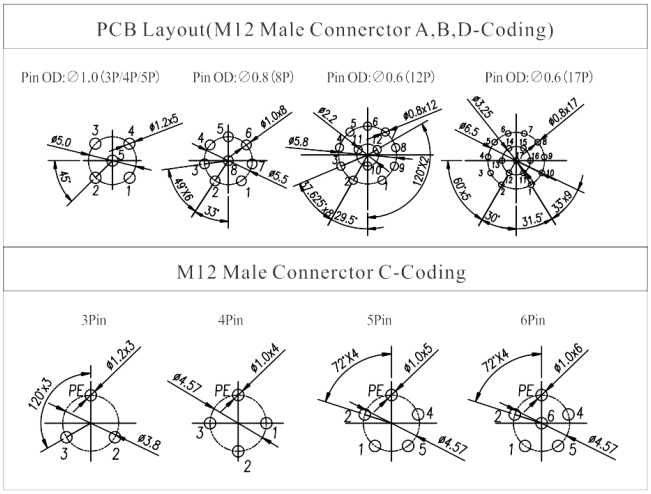
Rated Current	4A	4/2A (C-code)	2A	1.5A
Voltage AC/DC	250V	60V	30V	30V
Contacts Termination	PCB Version			

Dimensions



PCB opening diagram



Specification Selection Table

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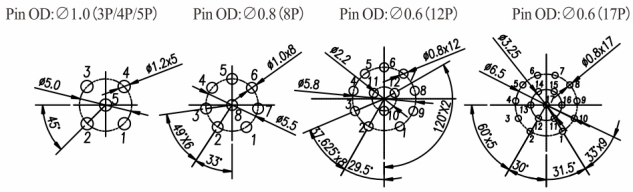
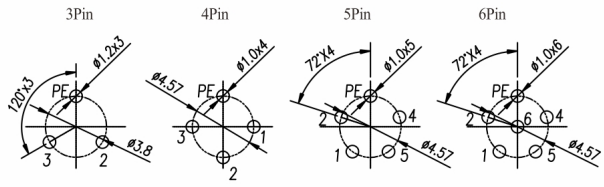
Contacts Pin数	Available Coding 防插错编码				Rated Current 额定电流	Voltage 电压		Contacts Termination 连接方式	Part NO.产品编号
	A-Coding	B-Coding	C-Coding	D-Coding		AC	DC		
03Pins			2+PE		4A	250V	250V	PCB Version	M12-A03-ST0-F01-BH∗ M12-B03-ST0-F01-BH∗ M12-C03-ST0-F01-BH∗
04Pins			3+PE		4A	250V	250V	PCB Version	M12-A04-ST0-F01-BH∗ M12-B04-ST0-F01-BH∗ M12-C04-ST0-F01-BH∗ M12-D04-ST0-F01-BH∗
05Pins			4+PE		4A 2A (C-code)	60V	60V	PCB Version	M12-A05-ST0-F01-BH∗ M12-B05-ST0-F01-BH∗ M12-C05-ST0-F01-BH∗
06Pins			5+PE		2A	30V	30V	PCB Version	M12-C06-ST0-F01-BH∗
08Pins					2A	30V	30V	PCB Version	M12-A08-ST0-F01-BH∗
12Pins					1.5A	30V	30V	PCB Version	M12-A12-ST0-F01-BH∗
17Pins					1.5A	30V	30V	PCB Version	M12-A17-ST0-F01-BH∗

PCB Layout(M12 Male Connerctor A,B,D-Coding)



M12 Male Connerctor C-Coding)