

M12 Male Panel Mount, PCB Type, Front Fastened, Shielded Pin

M12 Circular Connector

Download date : 2025-06-13



Connector Series : M12
Gender : Male
Coding : A,B,C,D
Locking Type : Fix Screw
Mounting Type : Front Fastened
Part No : M12-X**-ST1-M01-BQ*
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°C~+105°C
Insulation Resistance	$\geq 100M\Omega$
Contact Resistance	$\leq 10m\Omega$
IP Class	IP67
Mating Endurance	>100 Mating Cycles

Material Data

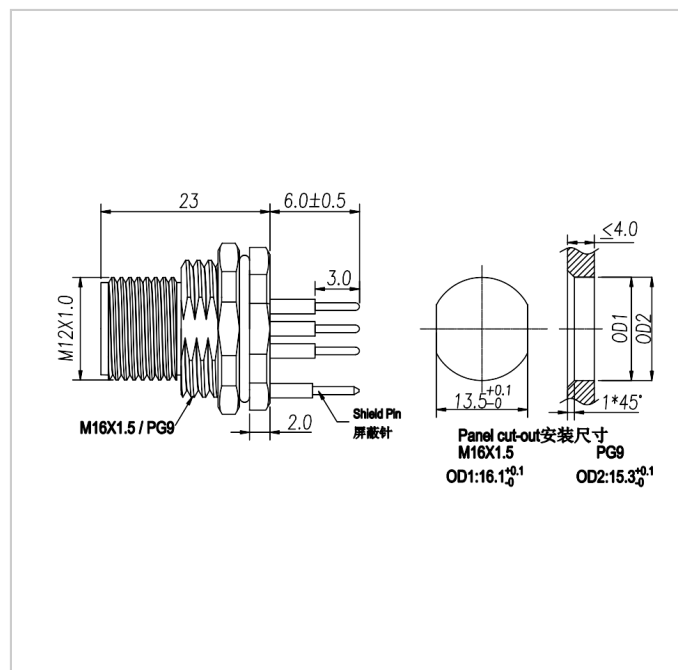
Connector Carriers	PA
Connector Contacts	Copper Alloy With Gold Plated 铜镀金
Connector Nut/Screw	Copper Alloy With Nickel Plated 铜镀镍
Seal/O-Ring	FKM 氟橡胶
Shielding	Ground 接地
Length of the Solder Pin	6mm

Electrical Data & Mechanical Date

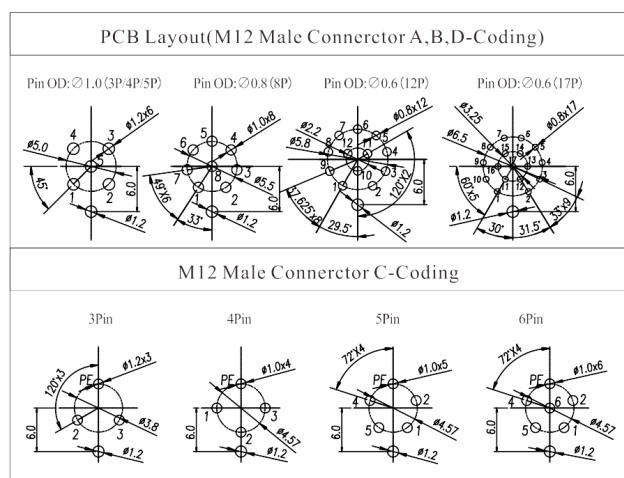
Contacts Pin	3/4Pins	5Pins	6/8Pins	12/17Pins
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Rated Current	4A	4/2A (C-code)	2A	1.5A
Voltage AC/DC	250V	60V	30V	30V
Contacts Termination	PCB Version			

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					4A	250V	250V	PCB Version	M12-A03-ST1-M01-BQ* M12-B03-ST1-M01-BQ* M12-C03-ST1-M01-BQ*
04Pins					4A	250V	250V	PCB Version	M12-A04-ST1-M01-BQ* M12-B04-ST1-M01-BQ* M12-C04-ST1-M01-BQ* M12-D04-ST1-M01-BQ*
05Pins					4A 2A (C-code)	60V	60V	PCB Version	M12-A05-ST1-M01-BQ* M12-B05-ST1-M01-BQ* M12-C05-ST1-M01-BQ*
06Pins					2A	30V	30V	PCB Version	M12-C06-ST1-M01-BQ*
08Pins					2A	30V	30V	PCB Version	M12-A08-ST1-M01-BQ*
12Pins					1.5A	30V	30V	PCB Version	M12-A12-ST1-M01-BQ*
17Pins					1.5A	30V	30V	PCB Version	M12-A17-ST1-M01-BQ*
PCB Layout(M12 Male Connerctor A,B,D-Coding)						M12 Male Connerctor C-Coding)			
Pin OD: $\varnothing 1.0$ (3P/4P/5P) Pin OD: $\varnothing 0.8$ (8P) Pin OD: $\varnothing 0.6$ (12P) Pin OD: $\varnothing 0.6$ (17P)						3Pin 4Pin 5Pin 6Pin			