



Connector Series : M12
Gender : Female
Coding : A,B,C,D
Locking Type : Fix Screw
Mounting Type : Front Fastened
Part No : M12-X**-ST2-F02-BQ*-XXX
X:A,B,C,D Coding
**:03,04,05...(Pin)
*:1=M16X1.5 2=PG9,...

XXX:050=0.5M,100=1M,10M=10M...(Length)



For reference only!version1.0

Technical Data

Standard	IEC61076-2-101
Ambient Temperatur	-25°C~+80°C
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	Shielded 屏蔽
Contacts Termination	Solder Type 焊接式

Electrical Data & Mechanical Date

M12 Female Panel Mount, Solder Type, Front Fastened, With Cable Shielded

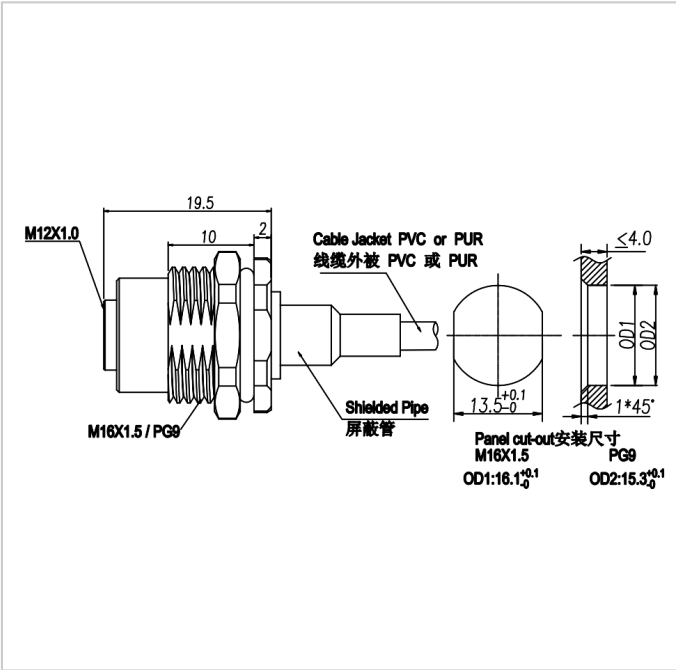
M12 Circular Connector

Download date : 2025-06-21



Contacts Pin	3/4Pins	5Pins	6/8Pins	12/17Pins
Rated Current	4A	4/2A	2A	1.5A
Voltage AC/DC	250V	60V	30V	30V
Wire Range AWG/mm ²	22/0.34	22 , 24/0.34 , 0.25(C- code)	24/0.25	26/0.14
Cable Jacket	PUR/PVC			

Dimensions



Specification Selection Table

M12 Female Panel Mount, Solder Type, Front Fastened, With Cable Shielded

M12 Circular Connector

Contacts Pin数	Available Coding 防插错编码				Rated Current 额定电流	Voltage 电压		Wire Range 接线范围		Cable Jacket 线缆外被	Part NO. 产品编号
	A-Coding	B-Coding	C-Coding	D-Coding		AC	DC	AWG	mm ²		
03Pins			 2+PE		4A	250V	250V	22	0.34	PUR PVC	M12-A03-ST2-F02-BQ*-XXX M12-B03-ST2-F02-BQ*-XXX M12-C03-ST2-F02-BQ*-XXX
04Pins			 3+PE		4A	250V	250V	22	0.34	PUR PVC	M12-A04-ST2-F02-BQ*-XXX M12-B04-ST2-F02-BQ*-XXX M12-C04-ST2-F02-BQ*-XXX M12-D04-ST2-F02-BQ*-XXX
05Pins			 4+PE		4A 2A	60V	60V	22 24 (C-code)	0.34 0.25 (C-code)	PUR PVC	M12-A05-ST2-F02-BQ*-XXX M12-B05-ST2-F02-BQ*-XXX M12-C05-ST2-F02-BQ*-XXX
06Pins			 5+PE		2A	30V	30V	24	0.25	PUR PVC	M12-C06-ST2-F02-BQ*-XXX
08Pins					2A	30V	30V	24	0.25	PUR PVC	M12-A08-ST2-F02-BQ*-XXX
12Pins					1.5A	30V	30V	26	0.14	PUR PVC	M12-A12-ST2-F02-BQ*-XXX
17Pins					1.5A	30V	30V	26	0.14	PUR PVC	M12-A17-ST2-F02-BQ*-XXX