M12 Female Panel Mount, Solder Type, Front Fastened, With Wires

M12 Circular Connector

Download date：2024-03-29



Connector Series：M12
Gender：Female
Coding：A,B,C,D
Locking Type：Fix Screw
Mounting Type：Front Fastened
Part No：M12-X**-ST0-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)

RoHS IP67 CE

For reference only!version1.0

Technical Data

Standard	IEC61076-2-101
Ambient Temperatur	-25℃~+80℃
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
Contacts Termination	Solder Type 焊接式

Electrical Data & Mechanical Date

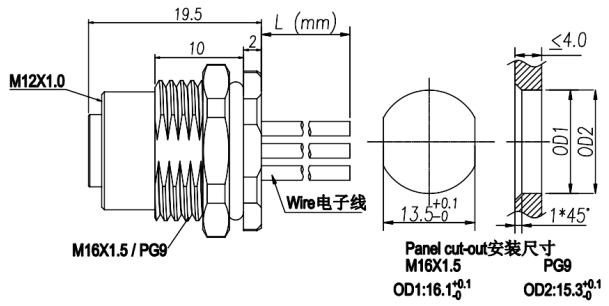
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Contacts Pin	3/4Pins	5Pins	6/8Pins	12/17Pins
Rated Current	4A	4/2A	2A	1.5A
Voltage AC/DC	250V	60V	30V	30V
Wire Range AWG/mm²	22/0.34	22 , 24/0.34 , 0.25(C-code)	24/0.25	26/0.14

Dimensions



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		Wire Range 接线范围		Part NO.产品编号
	A-Coding	B-Coding	C-Coding	D-Coding		AC	DC	AWG	mm²	
03Pins			 2+PE		4A	250V	250V	22	0.34	M12-A03-ST0-F02-BQ∗-XXX M12-B03-ST0-F02-BQ∗-XXX M12-C03-ST0-F02-BQ∗-XXX
04Pins			 3+PE		4A	250V	250V	22	0.34	M12-A04-ST0-F02-BQ∗-XXX M12-B04-ST0-F02-BQ∗-XXX M12-C04-ST0-F02-BQ∗-XXX M12-D04-ST0-F02-BQ∗-XXX
05Pins			 4+PE		4A 2A	60V	60V	22 24 (C-code)	0.34 0.25 (C-code)	M12-A05-ST0-F02-BQ∗-XXX M12-B05-ST0-F02-BQ∗-XXX M12-C05-ST0-F02-BQ∗-XXX
06Pins			 5+PE		2A	30V	30V	24	0.25	M12-C06-ST0-F02-BQ∗-XXX
08Pins					2A	30V	30V	24	0.25	M12-A08-ST0-F02-BQ∗-XXX
12Pins					1.5A	30V	30V	26	0.14	M12-A12-ST0-F02-BQ∗-XXX
17Pins					1.5A	30V	30V	26	0.14	M12-A17-ST0-F02-BQ∗-XXX