

Female Molded 2 Cables, Straight

M12 Circular Connector

Download date : 2025-12-06



Connector Series : M12

Gender : Female

Coding : A,B,C,D

Locking Type : Fix Screw

Mounting Type : Straight

Part No : M12-X**-ST0-F02-BV*-XXX

X:A,B,C,D Coding

**:.03,04,05...(Pin)

ST0:0=UnShielded , 2=Full

Shield , 1=Ground

BV*:BVC=Cable Jacket PVC (For Molded Cable)

BV*:BVR=Cable Jacket PUR (For Molded Cable)

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	$\geq 100M\Omega$
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

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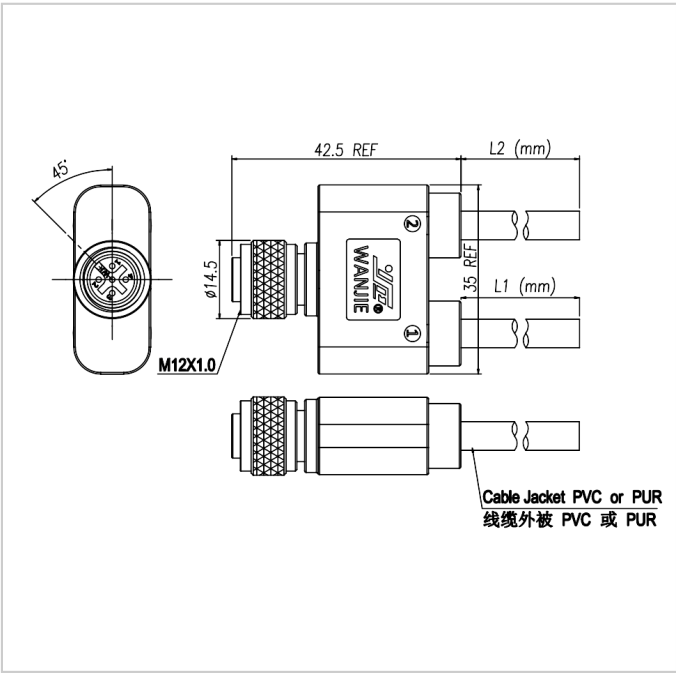


Shielding	Shielded 屏蔽/Unshielded 非屏蔽
Connector Overmold	TPU

Electrical Data & Mechanical Date

Contacts Pin	3/4Pins	5Pins	6/8Pins
Rated Current	4A	4/2A	2A
Voltage AC/DC	250V	60V	30V
Wire Range AWG/mm²	22/0.34	22 , 24/0.34 , 0.2 5(C-code)	24/0.25
Cable Jacket	PUR/PVC		

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		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-ST*-F02-BV*-XXX M12-B03-ST*-F02-BV*-XXX M12-C03-ST*-F02-BV*-XXX
04Pins			 3+PE		4A	250V	250V	22	0.34	PUR PVC	M12-A04-ST*-F02-BV*-XXX M12-B04-ST*-F02-BV*-XXX M12-C04-ST*-F02-BV*-XXX M12-D04-ST*-F02-BV*-XXX
05Pins			 4+PE		4A 2A	60V	60V	22 24 (C-code)	0.34 0.25 (C-code)	PUR PVC	M12-A05-ST*-F02-BV*-XXX M12-B05-ST*-F02-BV*-XXX M12-C05-ST*-F02-BV*-XXX
06Pins			 5+PE		2A	30V	30V	24	0.25	PUR PVC	M12-C06-ST*-F02-BV*-XXX
08Pins					2A	30V	30V	24	0.25	PUR PVC	M12-A08-ST*-F02-BV*-XXX