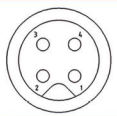
M5 Circular connectors

- Standard DIN EN 61076-2-105
- Degree of protection IP67
- Material of contacts: Brass, gold plated
- Solder/Dip solder/Crimping/Litz wires for panel mount connector
- Customized cable length, PVC/PUR cable are optional

M5 threaded connector is one of the smallest connectors in industrial automation. It is mainly developed and designed for sensors with 5mm connection diameter, which is also widely used in the application field of small size and delicate parts such as industrial measurement camera, electric bicycle signal transmission in recent years. M5 connector is very compact and suitable for installation applications in devices with tight or limited space.

Circular Connector

M5 Contact arrangement

M5 Contact arrangement		
Male	2pins	3pins	4pins
Female	2pins	3pins	 4pins

M5 Core colors	Core color 2pins	Core color 3pins	Core color 4pins
1	棕色/brown	棕色/brown	棕色/brown
2	—	—	白色/white
3	蓝色/blue	蓝色/blue	蓝色/blue
4	—	黑色/black	黑色/black

Male Contacts

焊接款 Solder Type	PCB款 PCB/Dip Solder Type	压接款 Crimping Type

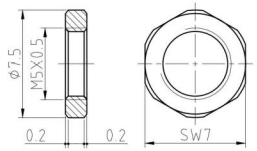
Female Contacts

焊接款 Solder Type	PCB款 PCB/Dip Solder Type	压接款 Crimping Type

Male Nuts

Hexagonal nut

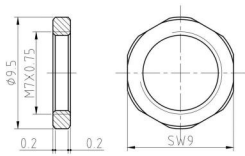
Drawing



Female Nuts

Hexagonal nut

Drawing



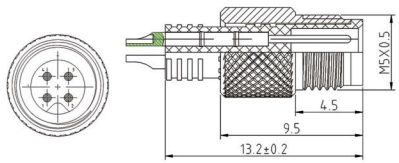
M5 技术参数 Technical Parameters

设计标准Design Standard	DIN EN 61076-2-105
芯数Contacts:	2,3,4
电流Current:	1A
电压Voltage:	60V
耐压Withstanding Voltage:	800V
线规Wire Gauge:	26AWG~30AWG
材质Material:	PA66，铜镀金/PA66, Brass Gold Plated
机械寿命Mechanical Operation:	≥ 100 插拔周期/Mating Cycles
接触电阻Contact Resistance:	3mΩ
工作温度Operation Temperature:	-25℃ ~ +85℃
防护等级Protection Rate:	IP67
盐雾Salt Mist:	48h
所有材料符合ROHS要求	All materials meet ROHS requirements

Moldable Connector

M5 moldable male plug, knurling

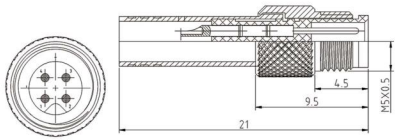
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 moldable male plug, knurling, shielded

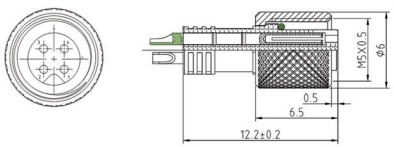
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 moldable female plug, knurling

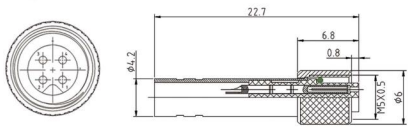
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 moldable female plug, knurling, shielded

Drawing

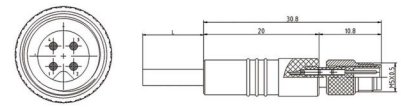


编码 Doding	A
芯数 Contacts	2, 3, 4

Molded Cable

M5 molded male cable, knurling

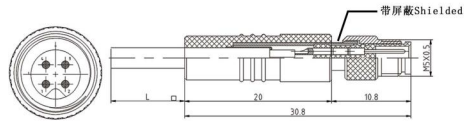
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 molded male cable, knurling shielded

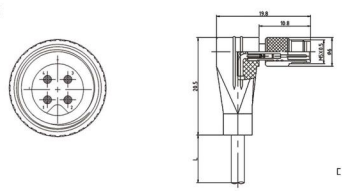
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 molded angled male cable, knurling

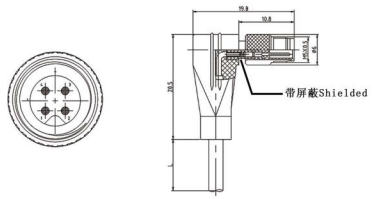
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 molded angled male cable, knurling, shielded

Drawing

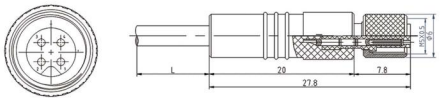


编码 Doding	A
芯数 Contacts	2, 3, 4

Molded Cable

M5 molded female cable, knurling

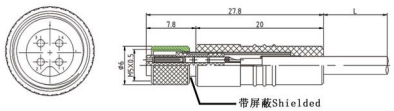
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 molded female cable, knurling, shielded

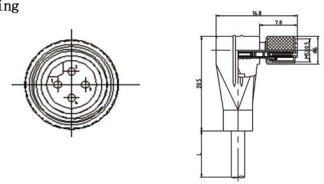
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 molded angled female cable, knurling

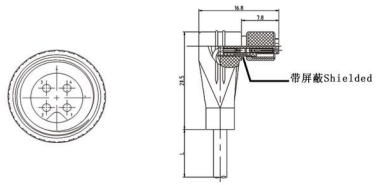
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 molded angled female cable, knurling, shielded

Drawing

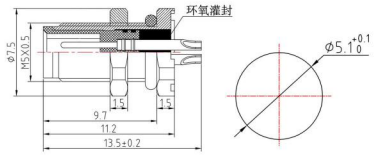


编码 Doding	A
芯数 Contacts	2, 3, 4

Panel Mount Connector

M5 front fastened male socket, M5*0.5

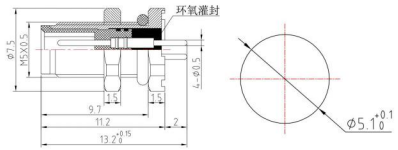
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 front fastened male socket dip solder, M5*0.5

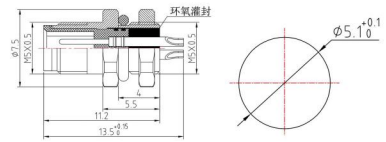
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 rear fastened male socket, M5*0.5

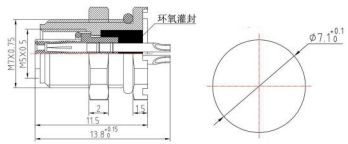
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 front fastened female socket, M7*0.75

Drawing

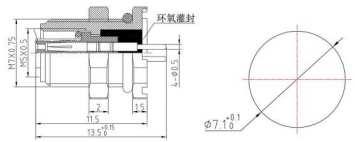


编码 Doding	A
芯数 Contacts	2, 3, 4

Panel Mount Connector/with Wires

M5 front fastened female socket dip solder M7*0.75

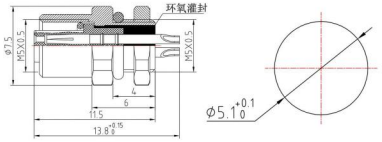
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 front fastened male socket, M5*0.5

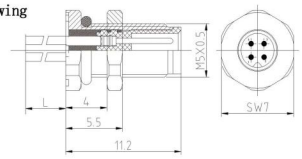
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 front fastensd male socket with wire, M5*0.5

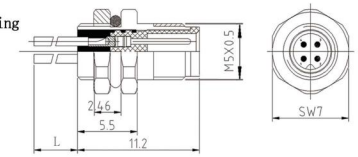
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 rear fastened male socket with wire,M5*0.5

Drawing

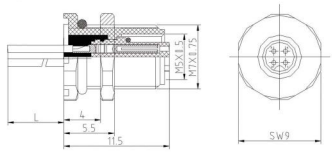


编码 Doding	A
芯数 Contacts	2, 3, 4

Panel Mount Connector with Wires/Accessories

M5 front fastened female socket with wire M7*0.75

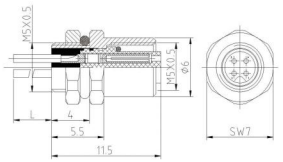
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 rear fastened female socket with wire M5*0.5

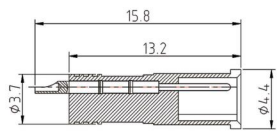
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 Plastic Receptacle

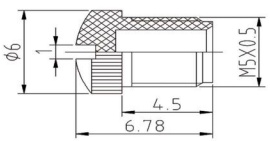
Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4

M5 plastic male dust cover

Drawing



编码 Doding	A
芯数 Contacts	2, 3, 4