



连接器系列：M12

类型：母

编码：A,B,C,D

装配方式：锁螺丝

安装类型：前锁

产品编号：M12-X\*\*-ST2-F02-BQ\*-XXX

X:A,B,C,D Coding(A,B,C,D扣)

\*\*:03,04,05...(Pin数)

\*:1=M16X1.5 2=PG9,...

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



目录仅供参考，实际规格依产品工程图为准 版本1.0

## 技术参数 Technical Data

|                            |                    |
|----------------------------|--------------------|
| 标准 Standard                | IEC61076-2-101     |
| 工作温度 Ambient Temperatur    | -25°C~+80°C        |
| 绝缘电阻 Insulation Resistance | ≥100MΩ             |
| 接触电阻 Contact Resistance    | ≤10mΩ              |
| 防护等级 IP Class              | IP67               |
| 机械寿命 Mating Endurance      | >100 Mating Cycles |

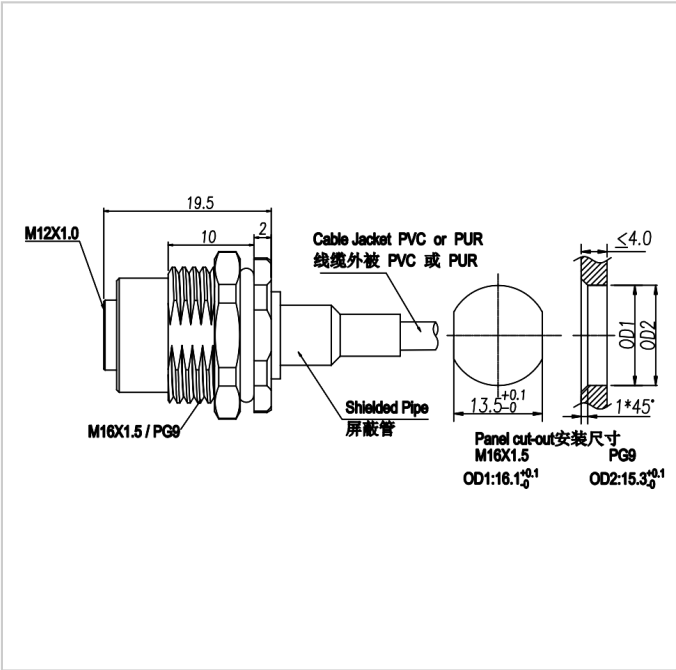
## 材质说明 Material Data

|                           |                                     |
|---------------------------|-------------------------------------|
| 胶芯材料 Connector Carriers   | PA                                  |
| 接触端子 Connector Contacts   | Copper Alloy With Gold Plated 铜镀金   |
| 螺母/螺丝 Connector Nut/Screw | Copper Alloy With Nickel Plated 铜镀镍 |
| 密封胶圈 Seal/O-Ring          | FKM 氟橡胶                             |
| 屏蔽 Shielding              | Shielded 屏蔽                         |
| 连接方式 Contacts Termination | Solder Type 焊接式                     |

## 电气参数&amp;机械参数 Electrical Data &amp; Mechanical Date

| Pin数 Contacts Pin                   | 3/4Pins | 5Pins                              | 6/8Pins | 12/17Pins |
|-------------------------------------|---------|------------------------------------|---------|-----------|
| 额定电流 Rated Current                  | 4A      | 4/2A                               | 2A      | 1.5A      |
| 电压 Voltage AC/DC                    | 250V    | 60V                                | 30V     | 30V       |
| 接线范围 Wire Range AWG/mm <sup>2</sup> | 22/0.34 | 22 , 24/0.34<br>, 0.25(C-<br>code) | 24/0.25 | 26/0.14   |
| 线缆外被 Cable Jacket                   | PUR/PVC |                                    |         |           |

尺寸图



规格选型表 Specification Selection Table

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

配套部件 Matching Parts



M12 公头成型式线缆，直头，非屏蔽



M12 公头成型式线缆，弯头，非屏蔽



M12 公头成型式线缆，直头，屏蔽



M12 公头成型式线缆，弯头，屏蔽



公头成型式双线缆，直头



Y型分配器，公-公-母



面板式 I型转接器，公-母



面板式 I型转接器，公-公



M12 公头成型式堵头



公头成型式线缆，直头，非屏蔽，不锈钢  
螺丝



公头成型式线缆，弯头，非屏蔽，不锈钢  
螺丝



公头成型式线缆，直头，屏蔽，不锈钢螺  
丝



公头成型式双线缆，直头，不锈钢螺丝