

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>连接器系列：M12<br/>类型：公<br/>编码：A,B,C,D<br/>装配方式：锁螺丝<br/>安装类型：直头<br/>产品编号：M12-X**-ST0-M02-SC*-XXX<br/>X:A,B,C,D Coding(A,B,C,D扣)<br/>**:03,04,05...(Pin数)<br/>ST2:2=Full Shield 全屏蔽<br/>BC*:BCC=Cable Jacket PVC(For Molded Cable)成型式外被PVC线缆<br/>BC*:BCR=Cable Jacket PUR(For Molded Cable)成型式外被PUR线缆<br/><br/>XXX:050=0.5M,100=1M,10M=10M...(Lenght长度)</p> |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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℃~+80℃          |
| 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 |

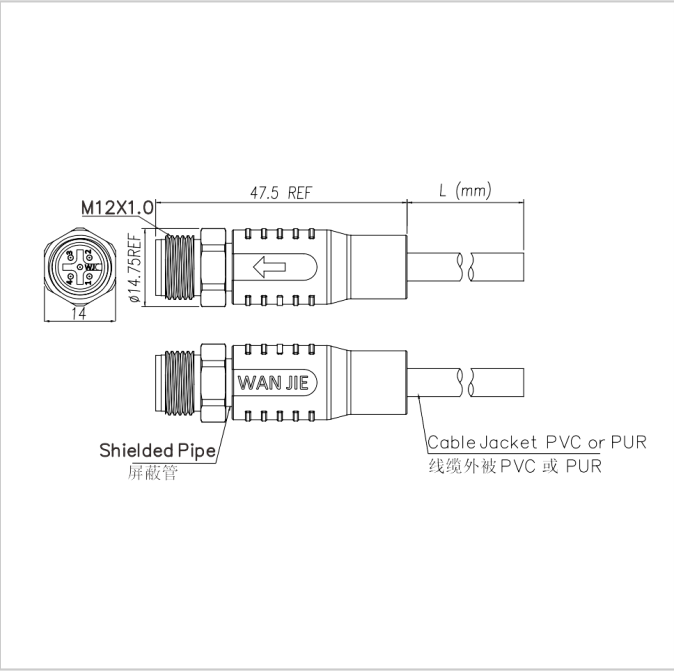
材质说明 Material Data

|                           |                                   |
|---------------------------|-----------------------------------|
| 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 | Stainless steel 不锈钢               |
| 屏蔽 Shielding              | Shielded 屏蔽                       |
| 连接器外模 Connector Overmold  | TPU                               |

电气参数&机械参数 Electrical Data & 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/mm² | 22/0.34 | 22 , 24/0.34 , 0.25(C-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>线缆外皮 | 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-M02-SC*-XXX<br>M12-B03-ST2-M02-SC*-XXX<br>M12-C03-ST2-M02-SC*-XXX                            |
| 04Pins           |   |  | <br>3+PE |  | 4A                    | 250V       | 250V | 22                   | 0.34                     | PUR<br>PVC           | M12-A04-ST2-M02-SC*-XXX<br>M12-B04-ST2-M02-SC*-XXX<br>M12-C04-ST2-M02-SC*-XXX<br>M12-D04-ST2-M02-SC*-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-M02-SC*-XXX<br>M12-B05-ST2-M02-SC*-XXX<br>M12-C05-ST2-M02-SC*-XXX                            |
| 06Pins           |                                                                                    |                                                                                   | <br>5+PE |                                                                                   | 2A                    | 30V        | 30V  | 24                   | 0.25                     | PUR<br>PVC           | M12-A06-ST2-M02-SC*-XXX                                                                                  |
| 08Pins           |   |                                                                                   |                                                                                           |                                                                                   | 2A                    | 30V        | 30V  | 24                   | 0.25                     | PUR<br>PVC           | M12-A08-ST2-M02-SC*-XXX                                                                                  |
| 12Pins           |   |                                                                                   |                                                                                           |                                                                                   | 1.5A                  | 30V        | 30V  | 26                   | 0.14                     | PUR<br>PVC           | M12-A12-ST2-M02-SC*-XXX                                                                                  |
| 17Pins           |  |                                                                                   |                                                                                           |                                                                                   | 1.5A                  | 30V        | 30V  | 26                   | 0.14                     | PUR<br>PVC           | M12-A17-ST2-M02-SC*-XXX                                                                                  |

配套部件 Matching Parts



M12 母头成型式线缆，直头，非屏蔽



M12 母头成型式线缆，弯头，非屏蔽



M12 母头成型式线缆，直头，屏蔽



M12 母头成型式线缆，弯头，屏蔽



母头成型式双线缆，直头



Y型分配器，公-公-母



Y型分配器，母-公-母



面板式 I型转接器，公-母



M12 母头成型式堵头



母头成型式线缆，直头，非屏蔽，不锈钢螺母



母头成型式线缆，弯头，非屏蔽，不锈钢螺母



母头成型式线缆，直头，屏蔽，不锈钢螺母



母头成型式双线缆，直头，不锈钢螺母



M12 母头面板式，PCB型，前锁安装



M12 母头面板式，PCB型，后锁安装



M12 母头面板式，PCB型，前锁安装，屏蔽针



M12 母头面板式，PCB型，后锁安装，屏蔽针



M12 母头面板式，焊接式，前锁安装



M12 母头面板式，焊接式，后锁安装



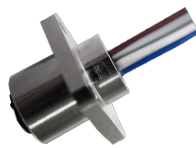
M12 母头面板式，焊接式，方形法兰型



M12 母头面板式，焊接式，前锁安装，焊电子线



M12 母头面板式，焊接式，后锁安装，焊电子线



M12 母头面板式，焊接式，方形法兰型，焊电子线



M12 母头面板式，焊接式，前锁安装，屏蔽线缆