



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：后锁  
产品编号：M12-X\*\*-ST0-F01-BH\*  
X:A,B,C,D Coding(A,B,C,D扣)  
\*\*:03,04,05...(Pin数)  
\*:1=M16X1.5 2=PG9,...



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    | -40℃~+105℃         |
| 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

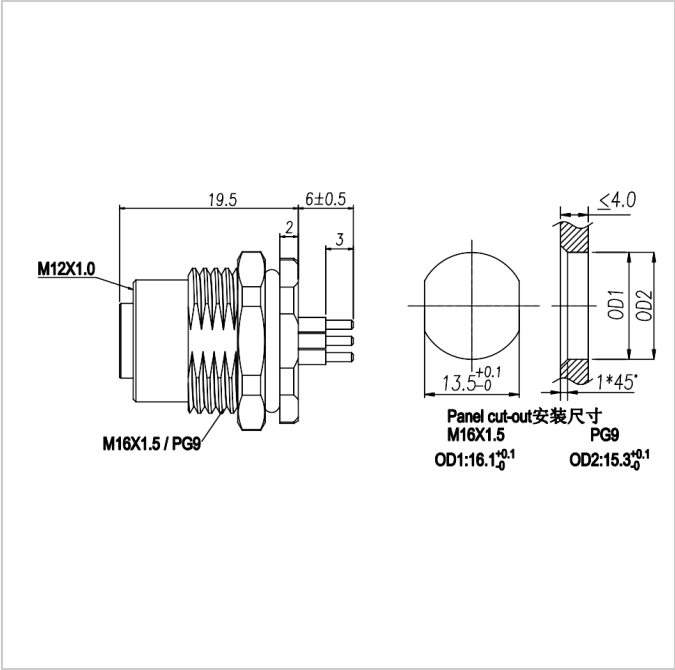
|                               |                                     |
|-------------------------------|-------------------------------------|
| 胶芯材料 Connector Carriers       | PA                                  |
| 接触端子 Connector Contacts       | Copper Alloy With Gold Plated 铜镀金   |
| 螺母/螺丝 Connector Nut/Screw     | Copper Alloy With Nickel Plated 铜镀镍 |
| 密封胶圈 Seal/O-Ring              | FKM 氟橡胶                             |
| 屏蔽 Shielding                  | Unshielded 非屏蔽                      |
| 焊脚长度 Length of the Solder Pin | 6mm                                 |

电气参数&机械参数 Electrical Data & Mechanical Date

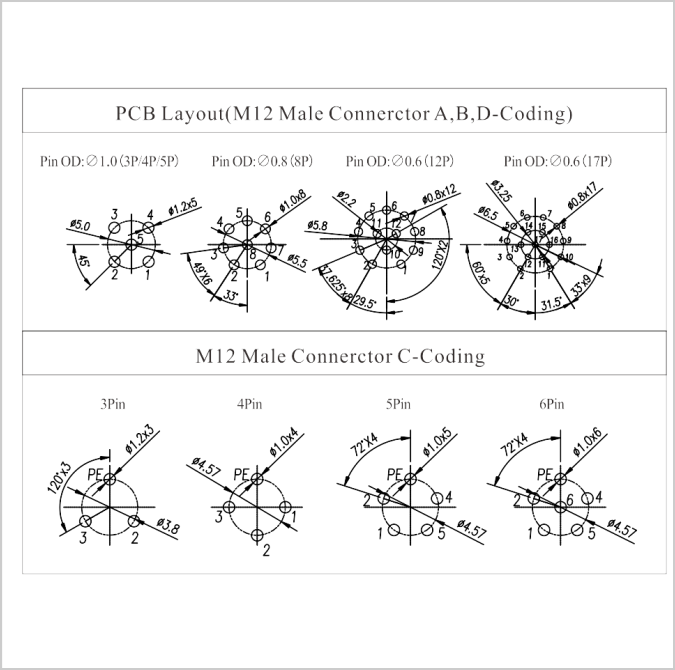
|                   |         |       |         |           |
|-------------------|---------|-------|---------|-----------|
| Pin数 Contacts Pin | 3/4Pins | 5Pins | 6/8Pins | 12/17Pins |
|-------------------|---------|-------|---------|-----------|

|                           |             |               |     |      |
|---------------------------|-------------|---------------|-----|------|
| 额定电流 Rated Current        | 4A          | 4/2A (C-code) | 2A  | 1.5A |
| 电压 Voltage AC/DC          | 250V        | 60V           | 30V | 30V  |
| 连接方式 Contacts Termination | PCB Version |               |     |      |

尺寸图



PCB开孔图



规格选型表 Specification Selection Table

M12 母头面板式，PCB型，后锁安装  
M12 圆形连接器

下载日期:2025-12-06



| Contacts<br>Pin数                                                                                                                                                                                | Available Coding 防插错编码 |          |          |          | Rated Current<br>额定电流 | Voltage 电压                   |      | Contacts Termination<br>连接方式 | Part NO.产品编号                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------|----------|----------|-----------------------|------------------------------|------|------------------------------|------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                 | A-Coding               | B-Coding | C-Coding | D-Coding |                       | AC                           | DC   |                              |                                                                                          |
| 03Pins                                                                                                                                                                                          |                        |          |          |          | 4A                    | 250V                         | 250V | PCB Version                  | M12-A03-ST0-F01-BH*<br>M12-B03-ST0-F01-BH*<br>M12-C03-ST0-F01-BH*                        |
| 04Pins                                                                                                                                                                                          |                        |          |          |          | 4A                    | 250V                         | 250V | PCB Version                  | M12-A04-ST0-F01-BH*<br>M12-B04-ST0-F01-BH*<br>M12-C04-ST0-F01-BH*<br>M12-D04-ST0-F01-BH* |
| 05Pins                                                                                                                                                                                          |                        |          |          |          | 4A<br>2A<br>(C-code)  | 60V                          | 60V  | PCB Version                  | M12-A05-ST0-F01-BH*<br>M12-B05-ST0-F01-BH*<br>M12-C05-ST0-F01-BH*                        |
| 06Pins                                                                                                                                                                                          |                        |          |          |          | 2A                    | 30V                          | 30V  | PCB Version                  | M12-C06-ST0-F01-BH*                                                                      |
| 08Pins                                                                                                                                                                                          |                        |          |          |          | 2A                    | 30V                          | 30V  | PCB Version                  | M12-A08-ST0-F01-BH*                                                                      |
| 12Pins                                                                                                                                                                                          |                        |          |          |          | 1.5A                  | 30V                          | 30V  | PCB Version                  | M12-A12-ST0-F01-BH*                                                                      |
| 17Pins                                                                                                                                                                                          |                        |          |          |          | 1.5A                  | 30V                          | 30V  | PCB Version                  | M12-A17-ST0-F01-BH*                                                                      |
| PCB Layout(M12 Male Connector A,B,D-Coding)                                                                                                                                                     |                        |          |          |          |                       | M12 Male Connector C-Coding) |      |                              |                                                                                          |
| <p>Pin OD: <math>\varnothing 1.0</math> (3P/4P/5P)    Pin OD: <math>\varnothing 0.8</math> (8P)    Pin OD: <math>\varnothing 0.6</math> (12P)    Pin OD: <math>\varnothing 0.6</math> (17P)</p> |                        |          |          |          |                       |                              |      |                              |                                                                                          |

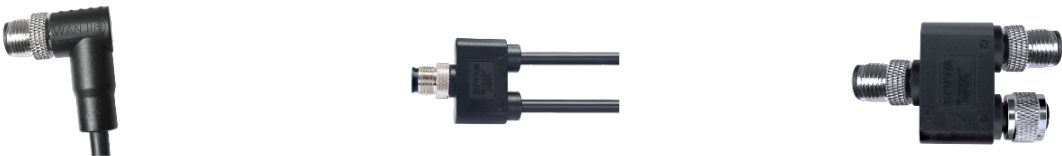
配套部件 Matching Parts



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



公头成型式双线缆，直头

Y型分配器，公-公-母

M12 公头成型式线缆，弯头，屏蔽



Y型分配器，母-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，直头，屏蔽，不锈钢螺丝



公头成型式双线缆，直头，不锈钢螺丝