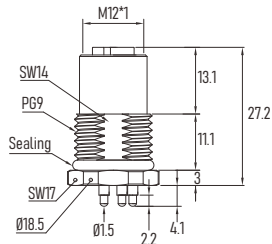


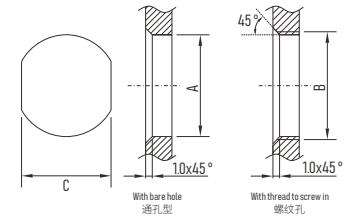
## M12 K-Code female panel connector, front side fastening, with PCB contacts M12 K-型 母头 板端连接器 前锁 PCB焊针型

Front Fastened 前锁



Recommended Panel Cut-out 面板开孔建议

| Chassis side | PG9                                | M16                                |
|--------------|------------------------------------|------------------------------------|
| A            | 15.3 <sup>+0.1</sup> <sub>-0</sub> | 16.1 <sup>+0.1</sup> <sub>-0</sub> |
| B            | PG9                                | M16x1.5                            |
| C            | 13.5 <sup>+0.1</sup> <sub>-0</sub> | 13.6 <sup>+0.1</sup> <sub>-0</sub> |



### Connector Technical data 技术参数

| Contacts No.          | Pin位/芯数 | 4+PE (5Pin)                           |
|-----------------------|---------|---------------------------------------|
| Front View            | 正视图     |                                       |
| Reference Standard    | 参照标准    | IEC 61076-2-111                       |
| Rated current         | 额定电流    | 16A                                   |
| Rated voltage         | 额定电压    | 690V AC                               |
| Impulse voltage       | 脉冲高压    | 5000V                                 |
| Locking system        | 锁紧方式    | M12 x 1.0 screw / M12 螺丝锁紧            |
| Tightening Torque     | 螺丝扭矩    | Recommend/ 建议:0.6Nm, Max/ 最大:1.0Nm    |
| Termination           | 接线方式    | PCB Dip Soldering / PCB浸焊             |
| Rated temperature     | 温度范围    | -25 °C ... +80 °C; -40 °C ... +105 °C |
| Insulation resistance | 绝缘电阻    | ≥100MΩ                                |
| Contact resistance    | 接触电阻    | ≤8mΩ                                  |
| Contact carrier       | 胶芯材料    | PA66 + GF                             |
| Screw nut             | 螺丝材料    | Brass, CNC, Nickel-plated 黄铜 镀镍 机加工   |
| Contact               | Pin针端子  | Phosphor bronze 磷青铜                   |
| Contacts plating      | 端子镀层    | Au (Gold) 镀金                          |
| O-ring                | 密封圈     | FKM/ Silicon 氟橡胶/硅胶                   |
| Protection degree     | 防护等级    | IP67, IP68                            |
| Pollution degree      | 污染等级    | 3                                     |

### Ordering No. 订购料号

| Poles<br>芯数 | Panel Front Side Fastening 板前锁 |              | Panel Rear Side Fastening 板后锁 |              |
|-------------|--------------------------------|--------------|-------------------------------|--------------|
|             | PG9                            | M16x1.5      | PG9                           | M16x1.5      |
| 4+PE (5Pin) | MC05P2LPKBP9                   | MC05P2LPKB16 | MC05P4LPKBP9                  | MC05P4LPKB16 |

### PCB Layout Reference 孔位分布与钻孔建议

