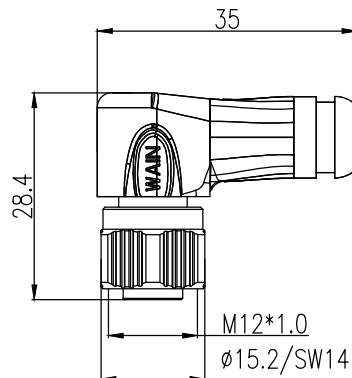


技术参数:

- 产品系列: M12 A-code
- 插针数: 12
- 额定电流(40℃): 1.5A
- 额定电压: 60V
- 额定脉冲电压: 800V
- 污染等级: 3
- 接触电阻: ≤10mΩ
- 绝缘电阻: ≥100MΩ
- 锁紧方式: 螺纹式M12\*1
- 电缆类型: PVC, 黑色RAL9005
- 线规: 0.25mm² (AWG24)
- 防护等级: IP67
- 插拔次数: >100
- 温度范围: -25℃ ... +85℃
- 锁紧螺帽: 金属
- 外壳材料: TPU
- 插体材料: PC+ABS
- 插针材料: 铜合金
- 插针电镀材料: 金

Technical specification:

- Series: M12 A-Code
- Number of contacts: 12
- Rated current (40℃): 1.5A
- Rated voltage: 60V
- Rated impulse voltage: 800V
- Pollution degree: 3
- Contact resistance: ≤10mΩ
- Insulation resistance: ≥100MΩ
- Connector locking system: screw M12\*1
- Cable type: PVC , Black RAL 9005
- Wire gauge: 0.25mm² (AWG24)
- Degree of protection: IP67
- Mating cycles: >100
- Temperature range: -25℃ ... +85℃
- Material of locking system: Metal
- Material of housing: TPU
- Material of insert: PC+ABS
- Material of contact: copper alloy
- Contact plating: Au



例如型号“M12-F12A-S-L-PVC”,

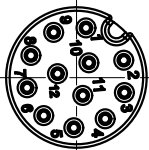
“L”表示带线长度, 单位m.

Ex: Part code “M12-F12A-S-L-PVC”,

the “L” represents the cable length, unit m.

|               |                    |         |          |
|---------------|--------------------|---------|----------|
| 1630125024002 | M12-F12A-S-5.0-PVC | 5.0m    | 193.5g   |
| 1630125024001 | M12-F12A-S-1.5-PVC | 1.5m    | 71g      |
| -             | M12-F12A-S-L-PVC   | Lm      | -g       |
| 产品料号 Part NO. | 产品代号 Part Code     | 线缆长度(L) | 重量Weight |

|               |              |                  |                |                 |            |
|---------------|--------------|------------------|----------------|-----------------|------------|
|               |              |                  |                |                 |            |
|               |              |                  |                |                 |            |
|               |              |                  |                |                 |            |
| 标记<br>Mark    | 处数<br>Number | 变更描述/Description |                | 签名<br>Signature | 日期<br>Date |
| 绘图<br>Drawn   | YL CHEN      | 09.01.2024       | 标准化<br>Stand.  | -               | -          |
| 审核<br>Checked | ZQ XU        | 09.01.2024       |                |                 |            |
| 工艺<br>Process | -            | -                | 批准<br>Approved | HQ ZHANG        | 09.01.2024 |

| 针位图<br>Contact arrangements                                                          |   |                                                                                                                                                                             |              | 接线图<br>Circuit diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
|--------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|---|---------|---|---|--------|---|---|---------|---|---|---------|---|---|--------|---|---|----------|---|---|---------|---|---|--------|---|---|-------|----|---|----------|----|---|----------------|----|---|---------------|
|  |   |                                                                                                                                                                             |              | <table><tr><td>1</td><td>↪</td><td>棕色brown</td></tr><tr><td>2</td><td>↪</td><td>蓝色blue</td></tr><tr><td>3</td><td>↪</td><td>白色white</td></tr><tr><td>4</td><td>↪</td><td>绿色green</td></tr><tr><td>5</td><td>↪</td><td>粉色pink</td></tr><tr><td>6</td><td>↪</td><td>黄色yellow</td></tr><tr><td>7</td><td>↪</td><td>黑色black</td></tr><tr><td>8</td><td>↪</td><td>灰色grey</td></tr><tr><td>9</td><td>↪</td><td>红色red</td></tr><tr><td>10</td><td>↪</td><td>紫色purple</td></tr><tr><td>11</td><td>↪</td><td>灰色/粉色grey/pink</td></tr><tr><td>12</td><td>↪</td><td>红色/蓝色red/blue</td></tr></table> |                   | 1 | ↪ | 棕色brown | 2 | ↪ | 蓝色blue | 3 | ↪ | 白色white | 4 | ↪ | 绿色green | 5 | ↪ | 粉色pink | 6 | ↪ | 黄色yellow | 7 | ↪ | 黑色black | 8 | ↪ | 灰色grey | 9 | ↪ | 红色red | 10 | ↪ | 紫色purple | 11 | ↪ | 灰色/粉色grey/pink | 12 | ↪ | 红色/蓝色red/blue |
| 1                                                                                    | ↪ | 棕色brown                                                                                                                                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 2                                                                                    | ↪ | 蓝色blue                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 3                                                                                    | ↪ | 白色white                                                                                                                                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 4                                                                                    | ↪ | 绿色green                                                                                                                                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 5                                                                                    | ↪ | 粉色pink                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 6                                                                                    | ↪ | 黄色yellow                                                                                                                                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 7                                                                                    | ↪ | 黑色black                                                                                                                                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 8                                                                                    | ↪ | 灰色grey                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 9                                                                                    | ↪ | 红色red                                                                                                                                                                       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 10                                                                                   | ↪ | 紫色purple                                                                                                                                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 11                                                                                   | ↪ | 灰色/粉色grey/pink                                                                                                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 12                                                                                   | ↪ | 红色/蓝色red/blue                                                                                                                                                               |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 表面处理<br>Finish                                                                       |   | —                                                                                                                                                                           |              | 图号<br>Drawing No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | —                 |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 材料<br>Material                                                                       |   | —                                                                                                                                                                           |              | 产品代号<br>Part Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M12-F12A-S-L-PVC  |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 比例<br>Scale                                                                          |   | 版本<br>REV.                                                                                                                                                                  | 重量<br>Weight | 数量<br>Qty.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 产品料号<br>Part No.  |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 1:1                                                                                  |   | V1.1                                                                                                                                                                        | —            | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 产品名称<br>Part Name |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| —                                                                                    |   | —                                                                                                                                                                           |              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
| 24                                                                                   |   |   |              | All Dimensions in mm<br>Original Size DIN A 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |
|                                                                                      |   |                                                                                                                                                                             |              |  厦门唯恩电气有限公司<br>XIAMEN WAIN ELECTRICAL CO.,LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |   |   |         |   |   |        |   |   |         |   |   |         |   |   |        |   |   |          |   |   |         |   |   |        |   |   |       |    |   |          |    |   |                |    |   |               |

剥线长度  
Stripping length of the sheath

