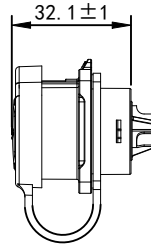
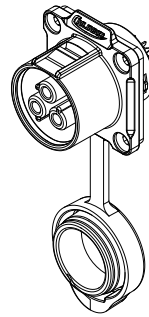
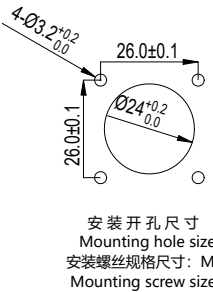
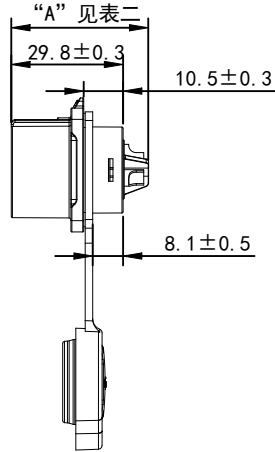
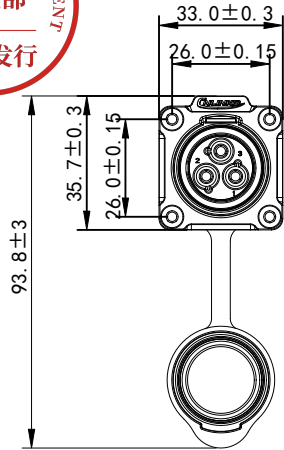


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表一: 电气参数/Electrical parameters

| 芯数                                          | 3芯                                                                                                                                       | 3芯                              | 3芯                                  | 4芯                               | 10芯                              | 12芯                              | 19芯                               | 24芯                               |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| 母端<br>Female                                |                                                                                                                                          |                                 |                                     |                                  |                                  |                                  |                                   |                                   |
| 公端<br>Male                                  |                                                                                                                                          |                                 |                                     | 长针<br>                           |                                  |                                  |                                   |                                   |
| 额定电流<br>Rated current                       | 25A                                                                                                                                      | 35A                             | 45A                                 | 25A                              | 10A                              | 10A                              | 5A                                | 5A                                |
| 额定电压<br>Rated voltage                       | 500V AC                                                                                                                                  | 300V AC                         | 230V AC                             | 500V AC                          | 400V AC                          | 400V AC                          | 250V AC                           | 250V AC                           |
| 耐压 (Max)<br>Dielectric withstanding voltage | 2000V AC                                                                                                                                 | 1500V AC                        | 1500V AC                            | 2000V AC                         | 2000V AC                         | 2000V AC                         | 1500V AC                          | 1500V AC                          |
| 接触电阻 (Max)<br>Contact resistance            | 1.0mΩ                                                                                                                                    | 1.0mΩ                           | 1.0mΩ                               | 1.0mΩ                            | 3mΩ                              | 3mΩ                              | 5mΩ                               | 5mΩ                               |
| 绝缘电阻 (Min)<br>Insulation resistance         | 500MΩ                                                                                                                                    | 500MΩ                           | 500MΩ                               | 500MΩ                            | 500MΩ                            | 500MΩ                            | 500MΩ                             | 500MΩ                             |
| 线规<br>Wire gauge                            | 2.5*4.0mm <sup>2</sup> /14*12AWG                                                                                                         | 6.0*8.0mm <sup>2</sup> /10*8AWG | 8(电源)~10(电子)mm <sup>2</sup> /8~6AWG | 2.5*4.0mm <sup>2</sup> /14*12AWG | 1.0*1.5mm <sup>2</sup> /18*16AWG | 1.0*1.5mm <sup>2</sup> /18*16AWG | 0.34*0.5mm <sup>2</sup> /22*20AWG | 0.34*0.5mm <sup>2</sup> /22*20AWG |
| 接线方式<br>Terminal Type                       | <input type="checkbox"/> 焊接/welding                                                                                                      |                                 |                                     |                                  |                                  |                                  |                                   |                                   |
| 线径直径<br>Cable Ø                             | /                                                                                                                                        |                                 |                                     |                                  |                                  |                                  |                                   |                                   |
| 紧固扭矩<br>Tightening torque                   | 0.4N.m                                                                                                                                   |                                 |                                     |                                  |                                  |                                  |                                   |                                   |
| 防护等级<br>IP code                             | 对接状态 <input type="checkbox"/> IP65 <input type="checkbox"/> IP67 <input checked="" type="checkbox"/> IP68 <input type="checkbox"/> IPx9k |                                 |                                     |                                  |                                  |                                  |                                   |                                   |
| 机械寿命 (Min)<br>Operating cycles              | 500次                                                                                                                                     |                                 |                                     |                                  |                                  |                                  |                                   |                                   |
| 工作温度<br>Operating temperature               | -40°C ~ +85°C(金属款/Metal shell)                                                                                                           |                                 |                                     |                                  |                                  |                                  |                                   |                                   |

| ECN NO. | REV. | MODIFICATION | DATE       | DRAWN | APPROVED |
|---------|------|--------------|------------|-------|----------|
| N/A     | A1   | 初版发行         | 2024/01/12 | 杨今心   | 宋星亮      |

## 编码原则:

Part Number rules

LP-24- X XX XX- X X -X XX X  
1 2 3 4 5 6 7 8 9 10

1. 产品系列: 以两个字母表示如LP/DH/BD/YF/YP/YW/YZ/LK...等

Product series is represented by two capital letters such as LP/DH/BD/YF/YP/YW/YZ/LK, etc.

2. 产品型号: 12/16/20/24/28.

Product number

3. 公母类别: C=公针/端 J=母针/端 K=公母混合

Interface type C=male pin/end J=female pin/end K=both male and female pins

4. 接口类别:

Interface type

4.1 电源&amp;信号: 非PIN针=00

Non-pin type=00

PIN针类: 01=单芯 02=2芯 03=3芯 04=4芯....

Pin type: 01=single pin 02=2 pin 03=3 pin 04=4 pin....

4.2 数据&amp;信号类: USB\HDMI\RJ45\ (光纤: LC/FC/SC/ST/MPO/MTP等).

Signal class: USB\HDMI\RJ45\ (optical fiber: LC/FC/SC/ST/MPO/MTP, etc.

数据&amp;信号类范例:

Signal type example: /USB3A/1 0 0

USB 3A: USB 3.0  
USB 3B: USB 3.1  
其它款依此类推  
And so on

|   |     |
|---|-----|
| 0 | 0接口 |
| 1 | 1接口 |
| 2 | 2接口 |

|   |     |
|---|-----|
| 0 | 不防水 |
| 1 | 防水  |

|   |       |
|---|-------|
| 0 | 带PCB板 |
| 1 | 带Hsg  |
| 2 | 口朝上   |
| 3 | 直通式   |
| 4 | 口朝下   |
| 5 | 带胶芯   |
| 6 | 胶芯带线  |

5. 连接器类型 PE=插头 SX=插座 PP=对接插座

Connector Type PE=Plug SX=Receptacle PP=Floating connector

6. 接线方式 0=焊接 1=压接 2=锁线 3=铆接 4=其它

Wiring method 0=Soldering 1=Crimping 2=Screwing 3=Riveting 4=Other

7. 材料属性 1=塑胶+金属 2=全塑胶 3=全金属

Material 1=Plastic+metal 2=All plastic 3=All metal

8. 特殊码 0=插头 1=单孔直式插座 2=两孔法兰插座 4=四孔法兰插座

Special code 0=Plug/Floating connector 1=Single-hole straight receptacle

2=Two-hole flange receptacle 4=Four-hole flange receptacle

9. 流水码Streaming code :01~99

10. 区别码空白或A~Z / Distinction code: blank or A-Z

|                                                                              |          |            |                                                                   |  |  |
|------------------------------------------------------------------------------|----------|------------|-------------------------------------------------------------------|--|--|
| X.X±0.3<br>X.XX±0.15<br>X.XXX±0.100<br>TOLERANCES UNLESS OTHERWISE SPECIFIED |          |            | X°±3°<br>X.X'±1.0°<br>未注圆角R0.2<br>SHENZHEN LINKO ELECTRIC CO.,LTD |  |  |
| DRAWN                                                                        | 杨今心      | 2024/01/12 | TITLE:                                                            |  |  |
| CHECKED                                                                      | 杨武       | 2024/01/12 | LP24四孔法兰插座金属款                                                     |  |  |
| APPROVED                                                                     | 宋星亮      | 2024/01/12 | 焊接式                                                               |  |  |
| UNIT: mm                                                                     | SIZE: A4 | SHEET: 1/2 | P/N:                                                              |  |  |
| PORJ.                                                                        |          | SCALE /    | LP-24-xxxSX-03-4xxx                                               |  |  |
|                                                                              |          |            | A1                                                                |  |  |

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|              |      |                   |            |             |          |
|--------------|------|-------------------|------------|-------------|----------|
| 7<br>ECN NO. | REV. | 8<br>MODIFICATION | 9<br>DATE  | 10<br>DRAWN | APPROVED |
| N/A          | A1   | 初版发行              | 2024/01/12 | 杨今心         | 宋星亮      |
|              |      |                   |            |             |          |

表二: "A"尺寸/Length

| 芯数           | 3芯_25A   | 3芯_35A   | 3芯 | 4芯       | 10芯      | 12芯      | 19芯      | 24芯      |
|--------------|----------|----------|----|----------|----------|----------|----------|----------|
| 母端<br>Female |          |          |    |          |          |          |          |          |
| A            | 37.0<br> | 41.0<br> |    | 37.5<br> | 31.7<br> | 31.7<br> | 32.6<br> | 32.6<br> |
| 公端<br>Male   |          |          |    | 长针<br>   |          |          |          |          |
| A            | 37.0<br> | 40.3<br> |    | 37.5<br> | 31.1<br> | 31.1<br> | 32.6<br> | 32.6<br> |

|                                                                              |                                                                                       |            |                                                                                                                                                      |  |  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| X.X±0.3<br>X.XX±0.15<br>X.XXX±0.100<br>TOLERANCES UNLESS OTHERWISE SPECIFIED |                                                                                       |            | <div><br/>深圳市凌科电气有限公司<br/>SHENZHEN LINKO ELECTRIC CO.,LTD</div> |  |  |
| DRAWN                                                                        | 杨今心                                                                                   | 2024/01/12 | TITLE:<br><br>LP24四孔法兰插座金属款<br>焊接式                                                                                                                   |  |  |
| CHECKED                                                                      | 杨武                                                                                    | 2024/01/12 |                                                                                                                                                      |  |  |
| APPROVED                                                                     | 宋星亮                                                                                   | 2024/01/12 |                                                                                                                                                      |  |  |
| UNIT: mm                                                                     | SIZE:A4                                                                               | SHEET:2/2  | P/N:<br><br>LP-24-xxxSX-03-4xxx                                                                                                                      |  |  |
| PORJ.                                                                        |  | SCALE /    |                                                                                                                                                      |  |  |
|                                                                              |                                                                                       |            | A1                                                                                                                                                   |  |  |