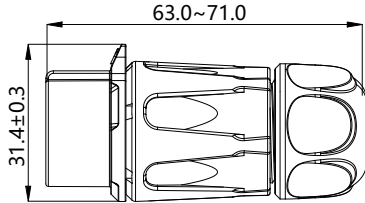
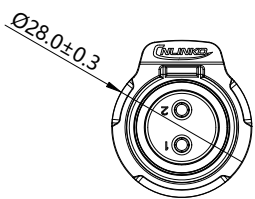
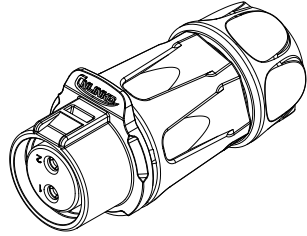
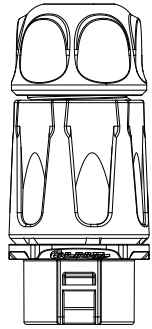


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表一：电气参数/Electrical parameters

| 芯数                                          | 2芯                                                                                                                                       | 3芯 | 4芯                                   | 4芯 | 5芯                                    | 7芯 | 9芯                                     | 12芯 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------|----|---------------------------------------|----|----------------------------------------|-----|
| 母端<br>Female                                |                                                                                                                                          |    |                                      |    |                                       |    |                                        |     |
| 公端<br>Male                                  |                                                                                                                                          |    |                                      |    |                                       |    |                                        |     |
| 额定电流<br>Rated current                       | 20A                                                                                                                                      |    |                                      |    | 10A                                   |    | 5A                                     |     |
| 额定电压<br>Rated voltage                       | 500V AC                                                                                                                                  |    |                                      |    | 250V AC                               |    | 1500V AC                               |     |
| 耐压 (Max)<br>Dielectric withstanding voltage | 2000V AC                                                                                                                                 |    |                                      |    | 1500V AC                              |    | 1500V AC                               |     |
| 接触电阻 (Max)<br>Contact resistance            | 1.0mΩ                                                                                                                                    |    |                                      |    | 3.0mΩ                                 |    | 5.0mΩ                                  |     |
| 绝缘电阻 (Min)<br>Insulation resistance         | 500MΩ                                                                                                                                    |    |                                      |    | 500MΩ                                 |    | 500MΩ                                  |     |
| 线规<br>Wire gauge                            | 2.5~4.0mm <sup>2</sup> /14~12AWG                                                                                                         |    |                                      |    | 1.0~1.5mm <sup>2</sup> /18~16AWG      |    | 0.34~0.5mm <sup>2</sup> /22~20AWG      |     |
| 接线方式<br>terminal type                       | 焊接/welding                                                                                                                               |    |                                      |    |                                       |    |                                        |     |
| 线径范围<br>Cable Ø                             | <input type="checkbox"/> φ5.0~φ6.5mm                                                                                                     |    | <input type="checkbox"/> φ6.5~φ8.5mm |    | <input type="checkbox"/> φ8.5~φ10.0mm |    | <input type="checkbox"/> φ10.0~φ12.0mm |     |
| 紧固扭矩<br>Tightening torque                   | 2.0N.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               | -25℃ ~ +85℃(标准塑胶款/Standard Plastic shell); -40℃ ~ +85℃(定制塑胶款/Customized Plastic shell)                                                   |    |                                      |    |                                       |    |                                        |     |

| ECN NO. | REV. | MODIFICATION | DATE       | DRAW | APPROVED |
|---------|------|--------------|------------|------|----------|
| /       | A1   | 初版发行         | 2024/03/18 | 杨今心  | 宋星亮      |

编码原则:

Part Number rules

LP-20- 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&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&信号类: USB\HDMI\RJ45\ (光纤: LC/FC/SC/ST/MP0/MTP等).

Signal class: USB\HDMI\RJ45\ (optical fiber: LC/FC/SC/ST/MP0/MTP, etc.

数据&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   |
| 5 | 带胶芯   |
| 4 | 口朝下   |
| 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>深圳市凌科电气有限公司<br>SHENZHEN LINKO ELECTRIC CO.,LTD |  |
| DRAWN                                                                        | 杨今心     | 2024/03/18 | TITLE:                         |  |  | LP20型xx芯对接x插座塑胶+金属款焊接式                             |  |
| CHECKED                                                                      | 杨武      | 2024/03/18 | P/N:                           |  |  | LP-20-xxxPP-01-0xxx                                |  |
| APPROVED                                                                     | 宋星亮     | 2024/03/18 | SCALE /                        |  |  | A1                                                 |  |
| UNIT: mm                                                                     | SIZE:A4 | SHEET:1/1  | PORJ.                          |  |  |                                                    |  |