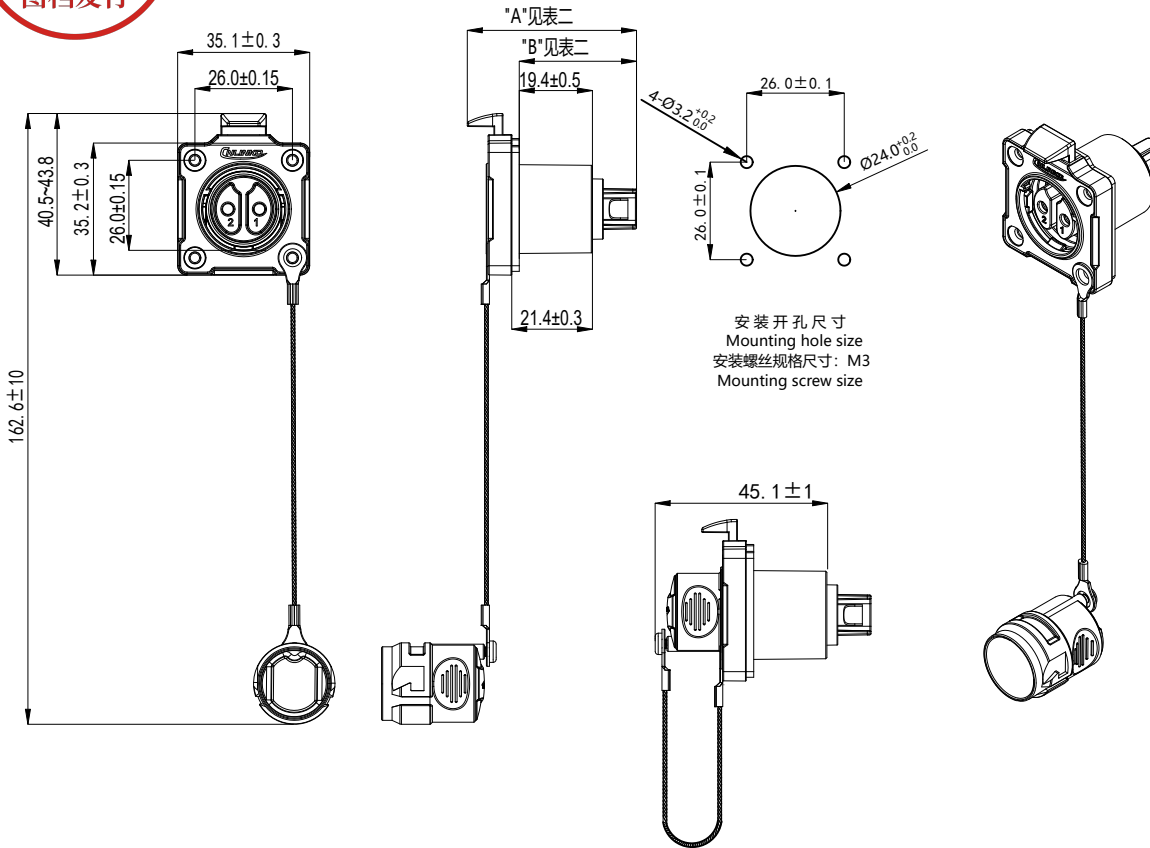


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| ECN NO. | REV. | MODIFICATION | DATE       | DRAWN | APPROVED |
|---------|------|--------------|------------|-------|----------|
| N/A     | A1   | 初版发行         | 2024/01/23 | 杨今心   | 宋星亮      |

#### 编码原则:

Part Number rules

BD-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&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/MPO/MTP等).

Signal class: USB\HDMI\RJ45\ (optical fiber: LC/FC/SC/ST/MPO/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   |
| 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 |  |  | <div>CN LINKO</div> <div>深圳市凌科电气有限公司</div> <div>SHENZHEN LINKO ELECTRIC CO.,LTD</div> |    |
| DRAWN                                                                        | 杨今心      | 2024/01/23 | TITLE:                         |  |  |                                                                                       |    |
| CHECKED                                                                      | 杨武       | 2024/01/23 | BD24型四孔法兰x插座金属款                |  |  |                                                                                       |    |
| APPROVED                                                                     | 宋星亮      | 2024/01/23 |                                |  |  |                                                                                       |    |
| UNIT: mm                                                                     | SIZE: A4 | SHEET: 1/3 | P/N:                           |  |  |                                                                                       | A1 |
| PORJ.                                                                        |          | SCALE /    | BD-24-xxxSX-x3-4xxx            |  |  |                                                                                       |    |

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|                                                                                  |   |   |                             |   |   |         |      |              |            |       |          |
|----------------------------------------------------------------------------------|---|---|-----------------------------|---|---|---------|------|--------------|------------|-------|----------|
| 1                                                                                | 2 | 3 | 4                           | 5 | 6 | 7       | 8    | 9            | 10         |       |          |
| COPYRIGHT - 2023                                                                 |   |   | BY LINKO ELECTRIC COPYRIGHT |   |   | ECN NO. | REV. | MODIFICATION | DATE       | DRAWN | APPROVED |
|  |   |   |                             |   |   | N/A     | A1   | 初版发行         | 2024/01/23 | 杨今心   | 宋星亮      |
|                                                                                  |   |   |                             |   |   |         |      |              |            |       |          |
|                                                                                  |   |   |                             |   |   |         |      |              |            |       |          |



表一：电气参数/Electrical parameters

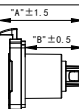
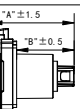
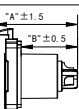
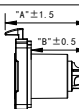
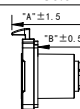
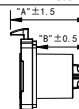
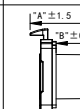
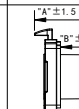
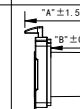
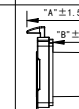
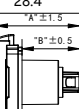
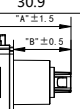
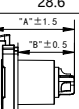
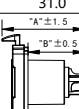
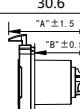
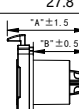
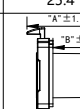
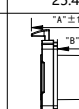
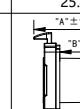
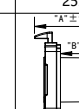
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|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------|---------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| 芯数                                          | 2芯                                                                                                                                       | 2芯                              | 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                             | 25A                              | 35A                             | 45A                                 | 25A                              | 10A                              | 10A                              | 5A                                | 5A                                |
| 额定电压<br>Rated voltage                       | 500V AC                                                                                                                                  | 300V AC                         | 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                        | 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                           | 1.0mΩ                               | 1.0mΩ                            | 3mΩ                              | 3mΩ                              | 5mΩ                               | 5mΩ                               |
| 绝缘电阻 (Min)<br>Insulation resistance         | 500MΩ                                                                                                                                    | 500MΩ                           | 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 | 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 OD                            | /                                                                                                                                        |                                 |                                  |                                 |                                     |                                  |                                  |                                  |                                   |                                   |
| 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℃ ~ +85℃(金属款/Metal shell)                                                                                                             |                                 |                                  |                                 |                                     |                                  |                                  |                                  |                                   |                                   |

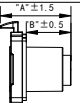
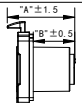
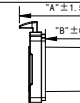
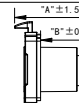
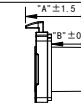
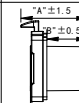
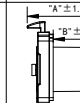
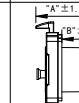
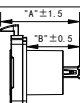
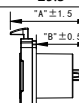
表一：电气参数/Electrical parameters

|                                             |                                                                                                                                          |             |         |         |           |           |           |           |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|-----------|-----------|-----------|-----------|
| 芯数                                          | RJ45_CAT. 3                                                                                                                              | RJ45_CAT. 6 | USB2. 0 | USB3. 0 | HDMI 2. 0 | HDMI 2. 1 | 光纤 (单模单芯) | 光纤 (单模双芯) |
| 公端<br>Male                                  |                                                                                                                                          |             |         |         |           |           |           |           |
| 母端<br>Female                                |                                                                                                                                          |             |         |         |           |           |           |           |
| 额定电流<br>Rated current                       | 1.5                                                                                                                                      | 1.5         | 1.5A    | 1.8A    | 0.5A      | 0.5A      | /         | /         |
| 额定电压<br>Rated voltage                       | 125V AC                                                                                                                                  | 125V AC     | 5V AC   | 5V AC   | 5V AC     | 5V AC     | /         | /         |
| 耐压 (Max)<br>Dielectric withstanding voltage | 1000V AC                                                                                                                                 | 1000V AC    | 100V AC | 100V AC | 100V AC   | 100V AC   | /         | /         |
| 接触电阻 (Max)<br>Contact resistance            | 30mΩ                                                                                                                                     | 30mΩ        | 30mΩ    | 30mΩ    | 30mΩ      | 30mΩ      | /         | /         |
| 绝缘电阻 (Min)<br>Insulation resistance         | 500MΩ                                                                                                                                    | 500MΩ       | 100MΩ   | 100MΩ   | 100MΩ     | 100MΩ     | /         | /         |
| 插损 (Max)<br>Insertion loss                  | /                                                                                                                                        | /           | /       | /       | /         | /         | 0.35dB    | 0.35dB    |
| 回损 (Min)<br>Return Loss                     | /                                                                                                                                        | /           | /       | /       | /         | /         | 50dB      | 50dB      |
| 接线方式<br>terminal type                       | /                                                                                                                                        |             |         |         |           |           |           |           |
| 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℃ ~ +85℃(金属款/Metal shell)                                                                                                             |             |         |         |           |           |           |           |

|                                                                              |                                                                                       |            |                                 |  |  |                                                                                                                                         |  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|---------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| 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                                                                                   | 2024/01/23 | TITLE:<br><br>BD24型四孔法兰x插座金属款   |  |  |                                                                                                                                         |  |
| CHECKED                                                                      | 杨武                                                                                    | 2024/01/23 |                                 |  |  |                                                                                                                                         |  |
| APPROVED                                                                     | 宋星亮                                                                                   | 2024/01/23 |                                 |  |  |                                                                                                                                         |  |
| UNIT: mm                                                                     | SIZE:A4                                                                               | SHEET:2/3  | P/N:<br><br>BD-24-xxxSX-x3-4xxx |  |  | A1                                                                                                                                      |  |
| PORJ.                                                                        |  | SCALE /    |                                 |  |  |                                                                                                                                         |  |



| 芯数           | 2芯_25A                                                                            | 2芯_35A                                                                            | 3芯_25A                                                                            | 3芯_35A                                                                            | 3芯                                                                                | 4芯                                                                                      | 10芯                                                                               | 12芯                                                                                 | 19芯                                                                                 | 24芯                                                                                 |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 母端<br>Female |  |  |  |  |  |        |  |  |  |  |
| A            | 42.0                                                                              | 45.5                                                                              | 42.0                                                                              | 45.7                                                                              | 42.6                                                                              | 42.0                                                                                    | 39.4                                                                              | 39.4                                                                                | 38.7                                                                                | 38.7                                                                                |
| B            | 28.0                                                                              | 31.5                                                                              | 28.0                                                                              | 31.7                                                                              | 30.6                                                                              | 28.0                                                                                    | 25.4                                                                              | 25.4                                                                                | 24.7                                                                                | 24.7                                                                                |
|              |  |  |  |  |  |        |  |  |  |  |
| 公端<br>Male   |  |  |  |  |  | 长针<br> |  |  |  |  |
| A            | 42.4                                                                              | 44.9                                                                              | 42.6                                                                              | 45.0                                                                              | 42.6                                                                              | 41.8                                                                                    | 39.4                                                                              | 39.4                                                                                | 39.4                                                                                | 39.4                                                                                |
| B            | 28.4                                                                              | 30.9                                                                              | 28.6                                                                              | 31.0                                                                              | 30.6                                                                              | 27.8                                                                                    | 25.4                                                                              | 25.4                                                                                | 25.4                                                                                | 25.4                                                                                |
|              |  |  |  |  |  |        |  |  |  |  |

| 芯数           | RJ45_CAT.3                                                                          | RJ45_CAT.6                                                                          | USB2.0                                                                              | USB3.0                                                                              | HDMI2.0                                                                             | HDMI2.1                                                                             | 光纤（单模单芯）                                                                            | 光纤（单模双芯）                                                                              |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 公端<br>Male   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |
| 母端<br>Female |   |   |   |   |   |   |   |   |
| A            | 38.8                                                                                | 35.9                                                                                | 46.4                                                                                | 46.4                                                                                | 38.4                                                                                | 38.4                                                                                | 39.5                                                                                | 34.5                                                                                  |
| B            | 24.8                                                                                | 21.9                                                                                | 32.4                                                                                | 32.4                                                                                | 24.4                                                                                | 24.4                                                                                | 25.5                                                                                | 20.5                                                                                  |
|              |  |  |  |  |  |  |  |  |
| 母端<br>Female |                                                                                     |                                                                                     |  |  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |
| A            |                                                                                     |                                                                                     | 41.1                                                                                | 43.3                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                       |
| B            |                                                                                     |                                                                                     | 27.1                                                                                | 29.3                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                       |
|              |                                                                                     |                                                                                     |  |  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |

|                                                                                                |  |                                                                                       |                                                                 |            |                               |                                                                                                                                         |  |                     |
|------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|
| $X.X \pm 0.3$<br>$X.XX \pm 0.15$<br>$X.XXX \pm 0.100$<br>TOLERANCES UNLESS OTHERWISE SPECIFIED |  |                                                                                       | $X^\circ \pm 3^\circ$<br>$X.X^\circ \pm 1.0^\circ$<br>未注圆角R.0.2 |            |                               | <br>深圳市凌科电气有限公司<br>SHENZHEN LINKO ELECTRIC CO.,LTD |  |                     |
| DRAWN                                                                                          |  | 杨今心                                                                                   | 2024/01/23                                                      |            | TITLE:<br><br>BD24型四孔法兰x插座金属款 |                                                                                                                                         |  |                     |
| CHECKED                                                                                        |  | 杨武                                                                                    | 2024/01/23                                                      |            |                               |                                                                                                                                         |  |                     |
| APPROVED                                                                                       |  | 宋星亮                                                                                   | 2024/01/23                                                      |            |                               |                                                                                                                                         |  |                     |
| UNIT: mm                                                                                       |  | SIZE: A4                                                                              |                                                                 | SHEET: 3/3 |                               | P/N:                                                                                                                                    |  | BD-24-xxxSX-x3-4xxx |
| PORJ.                                                                                          |  |  |                                                                 | SCALE /    |                               | A                                                                                                                                       |  |                     |