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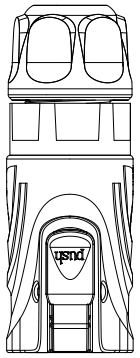
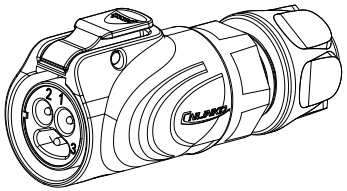
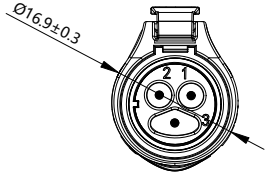
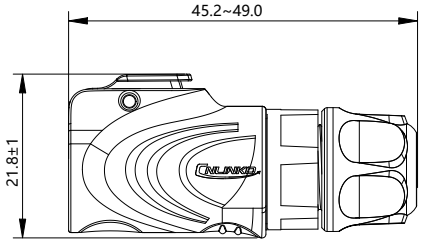
ECN NO.	REV.	MODIFICATION	DATE	DRAW	APPROVED
ECNXXXXXX	A1	初版发行	2024/03/11	杨今心	宋星亮









编码原则:
Part Number rules

LP-12- 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 seriesis 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

表一: 电气参数/Electrical parameters

额定电流 Rated current	5A
额定电压 Rated voltage	125V AC
耐压 (Max) Dielectric withstanding voltage	1500V AC
接触阻抗 (Max) Contact resistance	5mΩ
绝缘阻抗 (Min) Insulation resistance	500MΩ
线规 Wire gauge	0.34~0.5mm²/22~20AWG
接线方式 Terminal Type	☐ 锁线/Screwing
线缆直径 Cable OD	☐ φ3.5～φ4.5mm ☑ φ4.5～φ6.0mm
紧固扭矩 Tightening torque	0.8N.m(外壳/shell)/0.4N.m(导体/conductor)
防护等级 IP code	对接状态 ☐IP65 ☐IP67 ☑IP68 ☐IPx9k
机械寿命 (Min) Operating cycles	500次
工作温度 Operating temperature	-25℃ ~ +85℃(标准塑胶款/Standard Plastic shell); -40℃ ~ +85℃(定制塑胶款/Customized Plastic shell)

表二:

序号	编码	螺丝类型	备注 (锁导体螺丝)
2	LP-12-C03PE-21-004	一字	
1	LP-12-C03PE-21-002	六角	

X.X±0.3 X°±3°
X.XX±0.15 X.X°±1.0°
X.XXX±0.100 未注圆角R0.2
TOLERANCES UNLESS OTHERWISE SPECIFIED

深圳市凌科电气有限公司
SHENZHEN LINKO ELECTRIC CO.,LTD

DRAWN	杨今心	2024/03/11
CHECKED	杨武	2024/03/11
APPROVED	宋星亮	2024/03/11
UNIT: mm	SIZE:A4	SHEET:1/1
PORJ.	SCALE /	

TITLE:
LP12型xx芯公插头塑胶+金属款锁线式(外壳金属+尾部塑胶)

P/N: LP-12-C03PE-21-xxx A1

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