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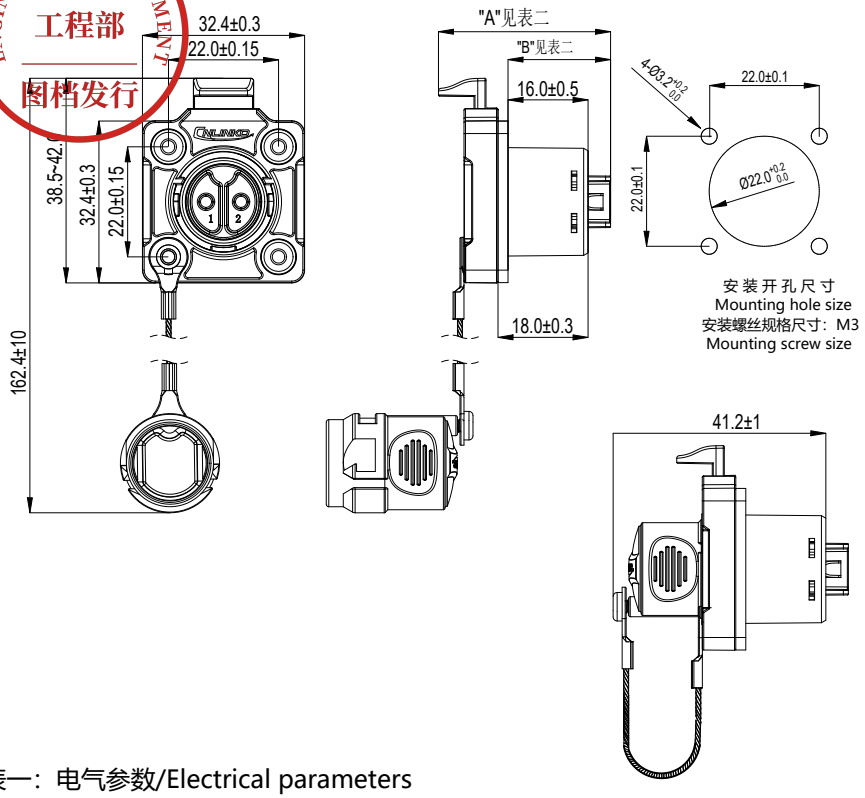
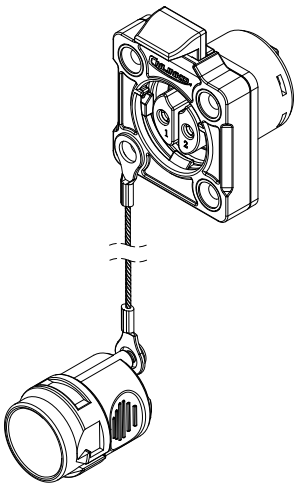
ECN NO.	REV.	MODIFICATION	DATE	DRAWN	APPROVED
N/A	A1	初版发行	2024/03/19	杨今心	宋星亮

ENGINEERING DEPARTMENT
工程部
图档发行





编 码 原 则：
Part Number rules

BD-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 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

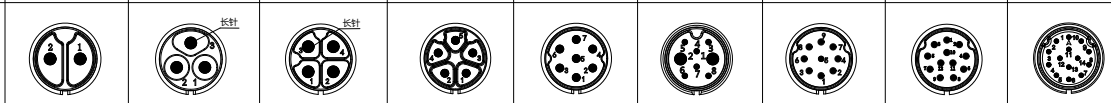
0	0接口
1	1接口
2	2接口

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=Cramping 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

芯数	2芯	3芯	4芯	5芯	7芯	8芯(2+6)	9芯	12芯	14芯
母端 Female									
公端 Male									
额定电流 Rated current	20A			10A		20A/5A	5A		
额定电压 Rated voltage	500V AC					250V AC	250V AC		
耐压 (Max) Dielectric withstanding voltage	2000V AC					1500V AC	1500V AC		
接触阻抗 (Max) Contact resistance	1.0mΩ			3.0mΩ		1.0mΩ/5.0mΩ	5.0mΩ		
绝缘阻抗 (Min) Insulation resistance	500MΩ								
线规 Wire gauge	2.5~4.0mm²/14~12AWG			1.0~1.5mm²/ 18~16AWG		2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG		
接线方式 Terminal Type	焊接/welding								
线缆直径 Cable OD	/								
紧固扭矩 Tightening torque	0.4N.m								
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)								

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	2024/03/19
CHECKED	杨武	2024/03/19
APPROVED	宋星亮	2024/03/19
UNIT: mm	SIZE:A4	SHEET:1/2
PORJ.	SCALE /	

TITLE:
BD20型xx芯四孔法兰x插座塑胶款
焊接式(隔栏_防呆)

P/N: BD-20-xxxSX-02-4xxA

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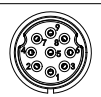
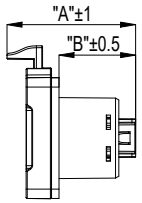
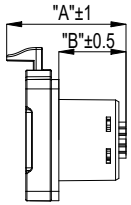
N/A	A1	初版发行	2023/12/19	杨今心	宋星亮

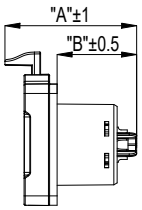
ENGINEERING DEPARTMENT 工程部 图档发行

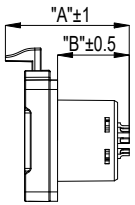
表二：“A/B”尺寸/Length

	2芯	3芯	4芯	5芯	7芯	8芯(2+6)	9芯	12芯	14芯
母端 Female									
A	34.3	34.3	34.7	33.3	31.8	35.0	32.8	32.8	32.4
B	20.5	20.5	20.8	19.4	17.9	21.1	18.9	18.9	18.5

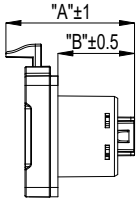


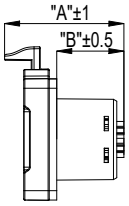


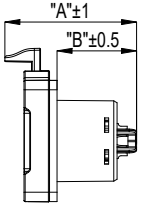


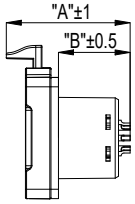


	2芯	3芯	4芯	5芯	7芯	8芯(2+6)	9芯	12芯	14芯
公端 Male									
A	35.5	35.5	35.5	33.9	32.4	35.5	31.9	31.9	33.2
B	21.6	21.6	21.6	20.0	18.5	21.6	18.0	18.0	19.3









X.X±0.3 X°±3°
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X.XXX±0.100 未注圆角R0.2
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UNIT: mm	SIZE:A4	SHEET:2/2
PORJ.	SCALE /	

TITLE:
BD20型xx芯四孔法兰x插座塑胶款
焊接式(隔栏_防呆)

P/N:
BD-20-xxxSX-02-4xxA

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