



中国·蓝波
LANBOO

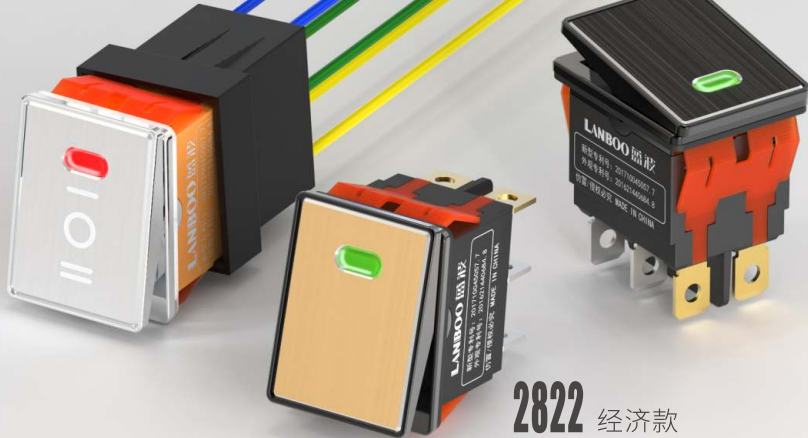
蓝波大电流开关
Pioneer of High-Current Switches

CCC CE ENEC Intertek ISO9001 多项专利

LB2822 规格书

大电流金属船型开关

2822 高端款

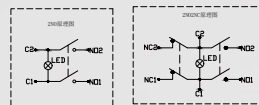


2822 经济款

绝缘耐压: 高于3000VAC

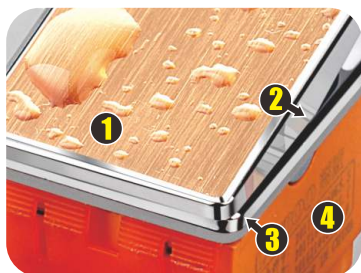


绚丽黑 天山银 土豪金



三档标识

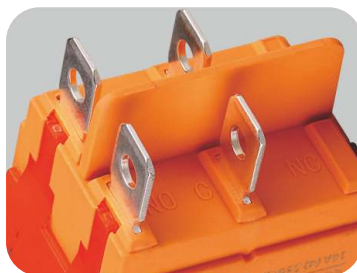
LED发光颜色 红 绿 黄 蓝



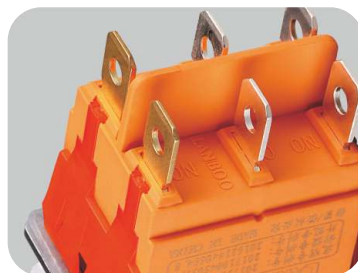
1.金属面板 2.镀铬翘板
3.镀铬上罩 4.优质尼龙



1.金属面板 2.塑料翘板
3.塑料上罩 4.一般尼龙



2NO触点



2NO2NC触点

型号说明/选型, 写法举例: LBCX2822/Y202/G9-24V/N65(L)

对应编号	LB	1	2	3	-	4	/	5	6	7	/	8	9	/	10	11	L	13
1	LB	LANBOO 蓝波代码																
2	船型开关代码	CX																
3	安装孔径	2822—28x22mm, 代替KCD4船型开关																
4	系列号	1—高端款(粉黄色底座), 2—经济型(黑色底座)																
5	面板颜色	J—金色、Y—银色、H—黑色																
6	开关组合	20—2NO, 2常开触点、22—2NO2NC, 2常开2常闭触点, 快慢动双触点																
7	档位	2—2档, 3—3档																
8	发光颜色	R—红色、G—绿色, 定制: B—蓝色、Y—黄色、W—白色																
9	输入电压	9-24V、220V, 定制: 3-8V、25-48V、110V, AC/DC 通用																
10	上罩材质	N—镀铬、PC—黑色塑料																
11	防水	65—防水IP65, 0—不防水																
12	(L)	内部代码																
13	配置	高配—上罩与翘板都镀铬, 标配—上罩镀铬(针对高端款备注, 经济款均为不电镀)																

性能参数

开孔直径	对应孔径+0.3mm, 例如: LBCX2822为28.3x22.3mm
外壳	PA66 (RoHS), V0级阻燃
按键	6063铝氧化 (RoHS)
翘板	PC未镀/镀铬 (RoHS), V2级阻燃
上罩	PC未镀/镀铬 (RoHS), V2级阻燃



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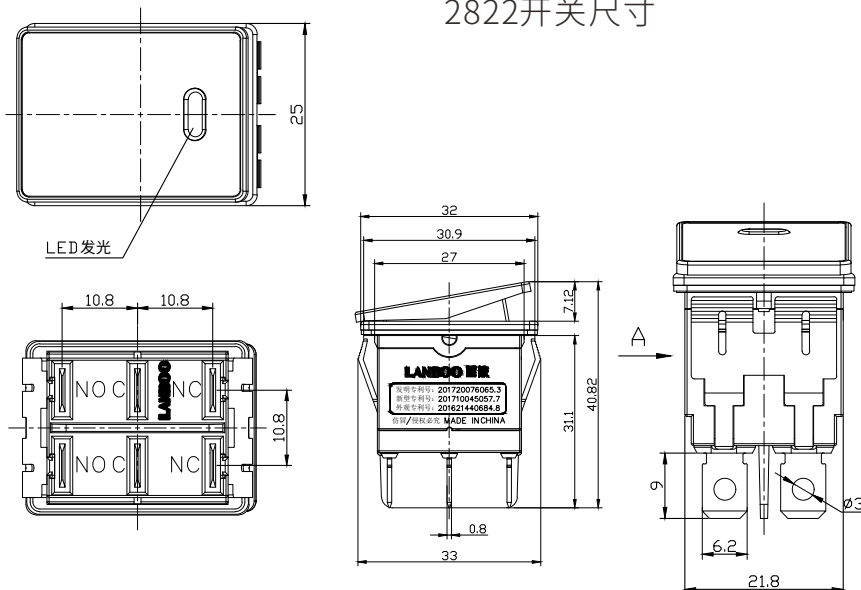
CCC CE RoHS 201720076065.3 201710045057.7 201621440684.8 intertek ISO9001 多项专利

LB2822 规格书

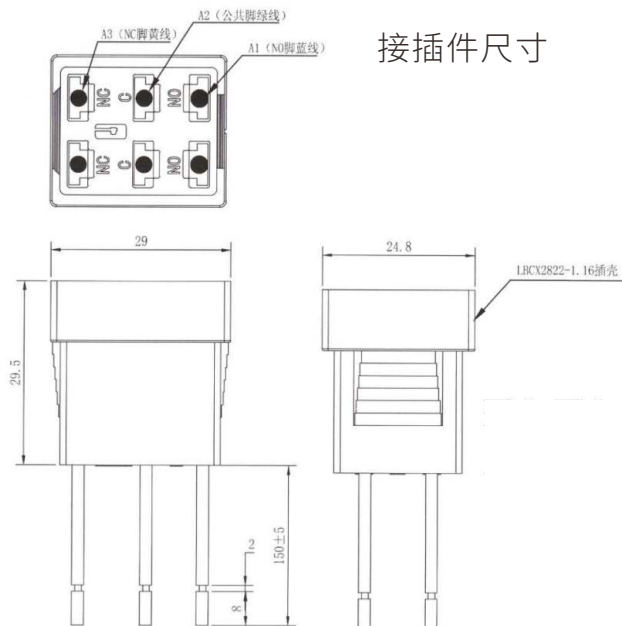
大电流金属船型开关

透光材料	PC (RoHS), V2级阻燃	
触点	银氧化锡AgSnO2 (RoHS)	
引脚	H65 镀银 (RoHS)	
安装面板厚度	≤3.5mm	
按压力	7±0.8N	
接线形式	引脚式	
耐焊性	≤380°C (25~50W 电烙铁), ≤2 秒	
插片可焊性试验	各引脚分别焊接 1mm ² 电线, 80N 正向拉力后, 无脱落	
引脚反向推力	≥80N无位移, 1min	
头部防脱拉力	≥150N, 1min	
工作环境温度	-40°C~+80°C, 非真空状态、不结冰情况下	
工作环境湿度	45~90%RH	
贮存环境温度	包装完好情况下, -40°C~+55°C	
贮存环境湿度	包装完好情况下, 45~90%RH	
约定发热电流	Ith:20A, 250VAC	
电阻性负载	AC-15:110V/250V:16A	DC-13:12V/24V/36V:16A
电感性负载	AC-15:110V/220V:4A	DC-13:110V:4A
接触电阻	≤50mΩ	
绝缘电阻	≥1000MΩ	
抗电强度 (工频耐压)	3000VAC, 50HZ, 1min	
触点最小适用负载	3V AC/DC, 5mA (参考值, 取决于环境与负载情况)	
耐振性	XYZ 三向, 60HZ, 振幅 2mm	
产品防跌落	头部竖直跌落 1 米, 3 次, 能正常工作	
包装跌落	600mm 高度连续跌落 4 次, 产品无损坏	
温升	按 GB/T14048.5 标准中 8.3.3.3 条款	
盐雾试验	72h, 3 个周期, (参考 GB/T 2423.18-2012)	
低温试验	-40°C, 96h, 接触电阻≤200mΩ、按压力变化值≤30%, LED 正常	
高温试验	80°C, 96h, 接触电阻≤200mΩ、按压力变化值≤30%, LED 正常	
高低温冲击试验 (含LED灯加速老化试验)	-40~+85°C, 85%RH, 40min/循环, 50个循环, 接触电阻≤200mΩ、按压力变化值≤30%, LED正常	
电气寿命	阻性负载 (参考GB/T14048.5) AC220V/16A、DC24V/16A:1万次; AC220V/8A、DC24V/8A:4万次; AC220V/3A、DC24V/3A:10万次	
机械寿命	20万次 (参考GB/T14048.5)	
ESD静电	人体模式:2KV, 可定制 8KV	
LED额定电流	≤24V, ≤20mA; >24V, ≤10mA	
LED灯珠类型	无极双芯片LED	
LED降压方式	内置降压电阻	
LED寿命	≥50000h (参考值)	
产品认证	CCC CE RoHS (定制) REACH (定制)	
专利号	ZL201720076065.3、ZL201630648389.0	
质保	66 个月	

2822开关尺寸



接插件尺寸





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底座:

PA66(RoHS),2822-2为黑色,V0级阻燃
Shell:PA66,2822-2 blackcolor,V0 Flame Retardant



安装卡扣:

PA66(RoHS),V0级阻燃

Embedded-installed:PA66V0 Flame Retardant



H65镀银插脚

H65 Silver-plated pin



加粗触点:银氧化锡AgSnO2(RoHS)

Bold contact:Silver tin oxide



PC支架

PC Support



衬套:

PA66+GF20

V0级阻燃 (RoHS)



中间硅胶密封垫:

Intermediate silicone gasket



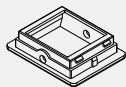
硅胶上密封罩:

Silica gel Seal cover (RoHS)



密封圈

Seal ring



上罩:

2822-1 PC镀铬,2822-2PC
V2级阻燃 (RoHS)

Upper cover:

2822-1 PC chrome plated,2822-2PC
V2 level flame retardant(RoHS)



翘板:2822-1PC镀铬

2822-2PC

2822-1chrome plated for PC
2822-2PC

LED



6063铝合金面板,

氧化金色,银色,黑色

Head: aluminum oxide color



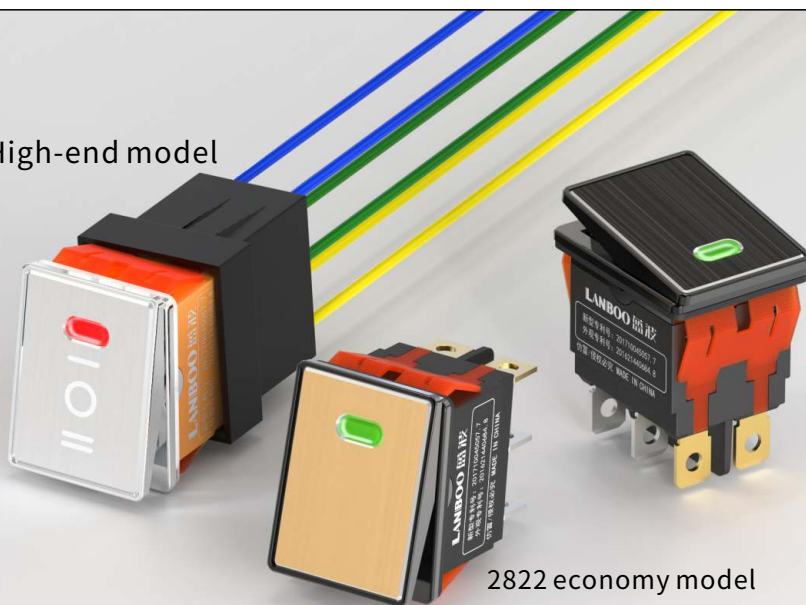
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LB2822 Specification Rocker Switch

2822 High-end model



2822 economy model

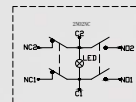
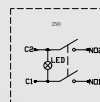
Insulation withstand voltage: >3000VAC



Black

Silver

Glod



3 gear position

LED Red Green Yellow Blue



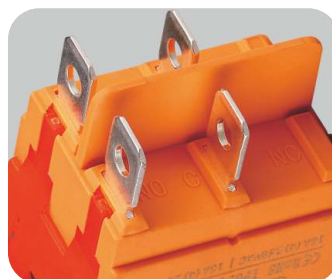
2822 High-end model

1. Metal panel
2. Chrome-plated seesaw
3. Chrome plated upper cover
4. High quality nylon

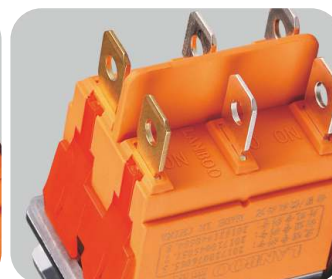


2822 economy model

1. Metal panel
2. Plastic seesaw
3. Plastic cover
4. General nylon



2NO



2NO2NC

Model Description/Selection, Example: LBCX2822/Y202/G9-24V/N65(L)

The Corresponding Number		LB	1	2	3	—	4	/	5	6	7	/	8	9	/	10	11	12	13
1	LB	LANBOO																	
2	Rocker Switch Code	CX																	
3	Install Diameter	2822—28x22mm, Replace the KCD4 boat switch																	
4	Series No.	1—High-end (pink orange base), 2—Economy (black base)																	
5	Panel Color	J—Golden, Y—Silver, H—Black																	
6	Switch Combination	20—2NO, 22—2NO2NC, Fast and slow moving double contact																	
7	Gear	2—2Gears, 3—2Gears																	
8	LED Colors	R—Red, G—Green, Customized: B—Blue, Y—Yellow, W—White																	
9	The Input Voltage	9-24V, 220V, Customized: 3-8V, 25-48V, 110V, AC/DC General																	
10	Upper Cover	N—Chrome plated, PC—Black plastic																	
11	Waterproof	65—IP65, 0—Not waterproof																	
12	(L)	Internal Code																	
13	Configuration	2822-1: chrome plating on the upper cover and warped board, standard matching - chrome plating on the upper cover (remarks for high-end models, economical models (2822-2)are not electroplated)																	

The performance parameters

Hole Diameter	Corresponding aperture: +0.3mm, For example: LBCX2822=28.3*22.3mm
Shell	PA66 (RoHS)



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LB2822 Specification

Rocker Switch

Key	Aluminum oxide (RoHS)
Panel	PC No plating/Chrome plated (RoHS) , V2 Level flame retard
Upper Cover	PC No plating/Chrome plated (RoHS) , V2 Level flame retard
Pervious To Light Material	PC (RoHS) , V2 Level flame retard
Contact Material	AgSnO2 (RoHS)
Pins Material	H65 Silver (RoHS)
Mounting Panel Thickness	≤3.5mm
Operation Pressure	7±0.8N
Connection Mode	Pins Type
Soldering Resistance	≤380°C (25~50W Soldering iron) , ≤2Seconds
Pins Welding Strength	Each pin is welded with 1mm ² wire respectively, no shedding after 80N forward tension
Pin Reverse Thrust	≥80N There is no displacement, 1min
Head Anti-off Strength	≥150N, 1min
Working Environment Temperature	-40°C~+80°C, Non-vacuum, non-freeze
Working Environment Humidity	45~90%RH
Storage Ambient Temperature	Packing in good condition, -40°C~+55°C
Storage Ambient Humidity	Packing in good condition, 45~90%RH
Rated thermal current	Ith:20A, 250VAC
Resistive Load	AC-15:110V/250V:16A DC-13:12V/24V/36V:16A
Inductive Load	AC-15:110V/220V:4A DC-13:110V:4A
Contact Resistance	≤50mΩ
Insulation Resistance	≥1000MΩ
Dielectric Strength	3000VAC, 50HZ, 1min
Min. Applicable Load For Contact	3V AC/DC, 5mA (Reference value, depending on the environment and load)
Resistance To Vibration	XYZ , 60HZ, The amplitude 2mm
Product Fall-Proof	Head vertical drop 1 meter, 3 times, can work normally
Packaging Fall-Proof	600mm height continuous drop for 4 times, no damage to the product
Temperature Rise	According to clause 8.3.3.3 in GB/T14048.5 standard
Salt Spray Test	72H, 3 cycles (refer to GB/T 2423.18-2012)
Low Temperature Test	-40°C, 96h, Contact resistance≤200mΩ, Change in pressure≤30%, LED Normal
High Temperature Test	80°C, 96h, Contact resistance≤200mΩ, Change in pressure≤30%, LED Normal
High And Low Temperature Impact Test	-40~+85°C, 85%RH, 40min/Circulation, 50 Circulation, Contact resistance≤200mΩ, Change in pressure≤30% LED Normal
Electrical Life	Resistive load (Refer to GB/T14048.5) AC220V/16A, DC24V/16A: 10,000 times; AC220V/8A, DC24V/8A: 40,000 times; AC220V/3A, DC24V/3A: 100,000 times
Mechanical Life	200,000 times (Refer to GB/T14048.5)
ESD Electrostatic	Body mode: 2KV, Customizable 8KV
LED Rated Current	≤24V, ≤20mA; >24V, ≤10mA
LED Type	Nonpolar dual chip LED
LED Resistance	Built-in Resistance
LED Life	≥50000h (Reference)
Certificate	CCC CE RoHS (Customized) REACH (Customized)
Patent No.	ZL201720076065.3, ZL201630648389.0
Quality Assurance	66 Months

