



中国·蓝波
LANBOO

蓝波大电流开关

Pioneer of High-Current Switches

CCC CE CB CQC Intertek ISO9001 多项专利

LB22FMQ 规格书

金属声光蜂鸣器



70-100dB/5m

DC12V/24V/AC220V

金属头部/阻燃外壳

闪光+蜂鸣



不锈钢头部

高分贝及高亮



阻燃材料

螺丝脚接线

型号说明/选型，写法举例：LB22FM-Q/R24V/N/J(L)

对应编号		LB	●●	●●	—	●	/	●	●●	/	●	/	●	L
		1	2	3		4		5	6		7		8	9
1	LB	LANBOO 蓝波代码												
2	安装孔径	22mm												
3	系列号	FM—防水带灯蜂鸣器												
4	头部形状	Q—球头												
5	发光颜色	R—红色												
6	输入电压	DC12V、DC24V、AC220V 定制:DC5V												
7	外壳材质	N—铜镀铬												
8	接线类型	J—接线柱(螺丝脚)												
9	(L)	内部代码												

性能参数

开孔直径	对应孔径+0.2mm, 例如: LB22FM为22.2mm
外壳	PC (RoHS), V2级阻燃
头部	304不锈钢 (RoHS)
螺母	H57/59铜镀镍, 可定制: 304不锈钢 (RoHS)
O型圈	NBR, 可定制: 硅胶 (RoHS)



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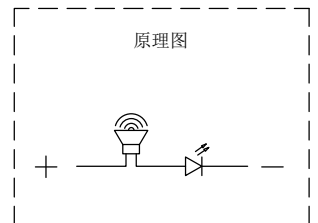
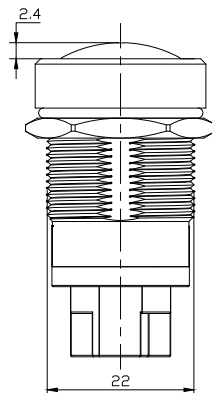
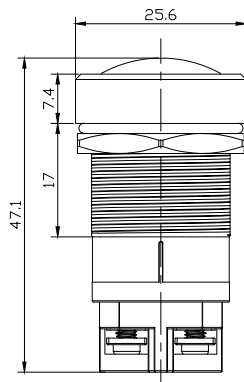
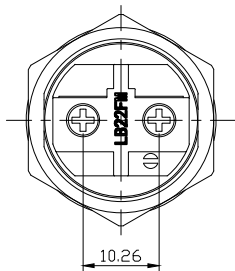
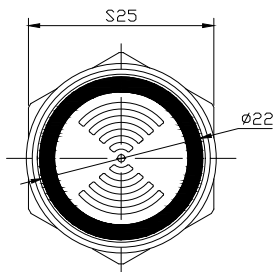
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底座	PC (RoHS), V2级阻燃
安装面板厚度	≤14mm
拧紧力矩	0.8-1.2N.m
螺纹验证	将螺母锁紧至垫圈明显变形, 然后拆下, 如此循环 5 次, 无异常
接线形式	接线柱 (螺丝脚)
工作环境温度	-40℃~+80℃, 非真空状态、不结冰情况下
工作环境湿度	45~90%RH
贮存环境温度	包装完好情况下, -40℃~+55℃
贮存环境湿度	包装完好情况下, 45~90%RH
防护等级	防水: IP65, 防撞 IK10 (参考 GB/T 20138)
额定电流	≤60mA
间隔蜂鸣时长	闪光与蜂鸣同步, 间隔时间: 约 0.5 秒、蜂鸣时间: 约 0.5 秒以此循环
响亮度	70-100dB/5cm
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℃, 96h, 接触电阻 ≤200mΩ、按压力变化值 ≤30%, LED 正常
高温试验	80℃, 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℃, 85%RH, 40min/循环, 50 个循环, 接触电阻 ≤200mΩ、按压力变化值 ≤30%, LED 正常
持续通电寿命	10000h
ESD 静电	人体模式: 2KV, 可定制 8KV
产品认证	CCC CE RoHS (定制) REACH (定制)
专利号	ZL201930064927.5
质保	66 个月



外形尺寸



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LB22FMQ Specification
Metal acoustooptic buzzer



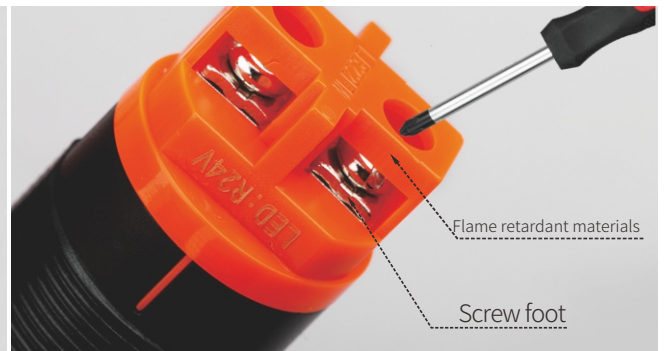
70-100dB/5m
DC12V/24V/AC220V

Metal head
Flame retardant shell
Glitter+Siren



Stainless steel head

LED



Flame retardant materials

Screw foot

Model Description/Selection, Example:LB22FM-Q/R24V/N/J(L)

The Corresponding Number		LB	●●	●●	—	●	/	●	●●	/	●	/	●	L
		1	2	3		4		5	6		7		8	9
1	LB	LANBOO												
2	Install Diameter	22mm												
3	Series No.	FM—Waterproof buzzer with lamp												
4	Head Shape	Q - ball head												
5	LED Color	Red												
6	The Input Voltage	DC12V、DC24V、AC220V Customized:DC5V												
7	Shell Material	N—Copper chrome plating												
8	Connection Type	Screw pin connection												
9	(L)	Internal code												

The performance parameters

Hole Diameter	Corresponding aperture +0.2mm, for example: LB22FM is 22.2mm
Shell	PC (RoHS), V2 flame retardant
Head	304 Stainless steel (RoHS)
Nut	H57/59 Nickel copper plating, customizable: 304 stainless steel (RoHS)
O-Ring	NBR, customizable: Silica gel (RoHS)
Base Seat	PC (RoHS), V2 flame retardant
Mounting Panel Thickness	≤14mm
Nut Tightening torque	0.8-1.2N.m
Thread Verification	Lock the nut until the washer is visibly deformed, then remove the nut. Repeat 5 times no abnormalities



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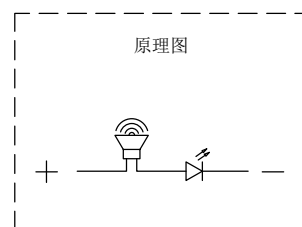
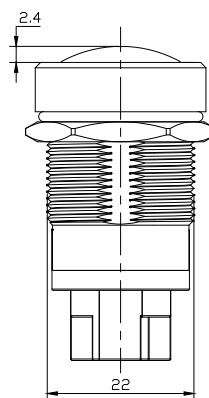
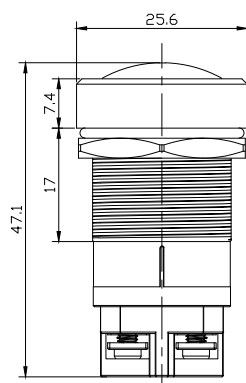
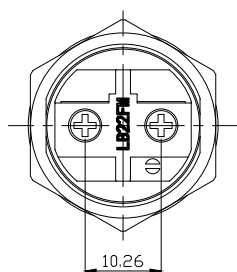
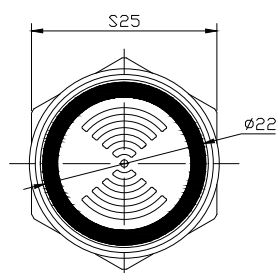
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LB22FMQ Specification

Metal acousto-optic buzzer

Connection Mode	Screw connection
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
Protection Grade	IP65, IK10 (GB/T 20138)
Rated Current	≤60mA
Interval Buzzer Duration	Flash and buzzer synchronously, interval time: about 0.5 seconds, buzzer time: about 0.5 seconds in this cycle
Loud Degree	70-100DB/5cm
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
Continuous Work Life	10000h
ESD Electrostatic	Body mode: 2KV, Customizable 8KV
Certificate	CCC CE RoHS REACH
Patent No.	ZL201930064927.5
Quality Assurance	66 Months



Outline Dimension