Good switch selection
multiple safety functions
好开关 安全功能多

# Shenzhen yulian technology co.,LTD

让用电更安全
Make Electricity Safer

# 成为**开关行业**世界级的**引领者**

## BECOME A WORLD-CLASS LEADER IN THE SWITCH INDUSTRY

100+专利 | ISO 9001 | CB | SGS US | TÜV Rheinland CERTIFIED | TÜV Rheinland | CCC | CE | CQC | IP67 | IK10 | RoHS | •••

初步以电子、电器产品作为发展范围，前期以创造高品质、安全、精美、先进制造的为核心，以波澜壮阔的气势干实业。

Yulian Initially based on electronic and electrical productsThe scope of development, in the early stage, takes the creation of high- qual -ity, safe, exquisite and advanced manufacturing as the core, and does the industry with a magnificent momentum.
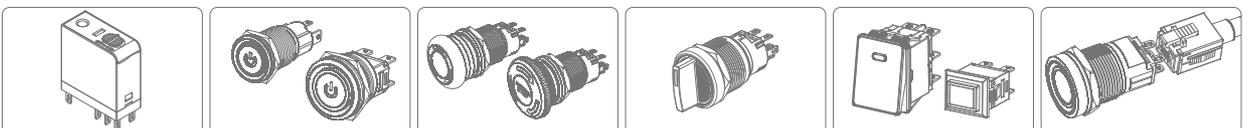
# 关于我们
## About Us

　　品牌成立于2008年,是一家中国无区域化公司。为GB/Z 43533—2023《依据GB/T 7251.2—2023的成套电力开关和控制设备(PSC成套设备)中内部电弧故障抑制系统的集成》标准起草单位。主要研发、制造高端金属按钮开关、继电器、指示灯、急停开关、钥匙开关、旋钮、蜂鸣器、船型开关、触摸开关、开关电源、数字显示表等产品,具备大电流、带灯、防水、防尘、防爆等功能,可定制开发。

　　申请100余项国家专利及发明专利,通过ISO9001质量管理体系认证,获得CE、SGS、CCC、CQC、RoHs、TUV、REACH、CB、UL61058等认证。首创各类7A、10A、16A、25A大电流金属按钮开关,引领前沿。在前进的路上我们坚持不断创新、创造、努力打造工匠产品。

　　拥有多年丰富经验的研发、精益生产、高水平管理、销售精英、法律维权等团队。拥有高端数控车间、自动化车间、数字化车间、ERP与MES管理系统。确保高质、高效、优服务,努力打造精品　　品牌。通过努力已成为多家知名企业优秀合作伙伴,销售网络已覆盖全球。

　　注册YULIAN国际商标,走向全球。YULIAN　　注册国内全类商标,全面覆盖保护。

　　砥砺前行,我们再接再厉!

　　YULIAN  brand was established in 2014 and is a non-regionalized company in China. It is the drafting unit of GB/Z 43533-2023 "Integration of Internal arc fault suppression systems in Complete Power Switch and Control Equipment (PSC Equipment) according to GB/T 7251.2-2023" standard.Mainly develop and manufacture high-end metal button switches, relays, indicator lights, emergency stop switch, key switch, knob, buzzer, rocker switch, touch switch and other products, with high current, light, waterproof, dustproof, explosion-proof and other functions,Custom development is possible.

　　Apply for more than 100 national patents and invention patents,  pass the ISO9001 quality management system certification,  and obtain CE, SGS, CCC, CQC, RoHs, TUV, REACH, CB, UL61058 and other certifications. The first to create various types of 7A, 10A, 16A, 25A high-current metal button switches, leading the forefront .  On the way forward weAdhere to continuous innovation,  creation, and strive to create artisan products.

　　Has many years of rich experience in research and development, lean production, high-level management, sales elite, legal rights protection and other teams. Has a high-end CNC workshop,Automated workshop, digital workshop, ERP and MES management system. To ensure high quality, high efficiency and excellent service, and strive to build a high-quality blue wave brand. achieved through effortAs an excellent partner of many well-known enterprises, and its sales network has covered the world.

　　Register the LANBOO international trademark and go global. LANBOO has registered all kinds of domestic trademarks, covering all aspects of protection.

　　Forge ahead, we will make persistent efforts!

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## 我们的愿景
成为开关行业世界级的引领者

### Our Vision
Becoming a world-class leader in the switch industry

## 我们的使命
让用电更安全

让　　成为　　人实现梦想的舞台

### Our Mission
Make electricity safer
Make Blue Wave a Stage for Blue Wave People to Realize Their Dreams

## 质量方针
工匠,做能感动自己的产品

创新,做认为不可能的事情

俱进,走在超越世纪最前沿

服务,付出追求爱人的热情

真诚,说真话干真事做真人

### POLICY
Craftsman, making products that can move oneselfInnovate and do things that are considered impossibleAdvancing forward, walking at the forefront of surpassing the centuryService, passion for pursuing loved ones Be sincere, speak the truth, do real things and be a genuine person

## 价值观 YULIAN's Values

### 准确
1、准循原则，严于律己，确保遵纪守法；
2、准循目标，思路清晰，确保在航道；
3、准循需求，标准作业，确保不想当然；
4、准施任务，凡事必确认，确保准确无误；
5、准达结果，凡事必有果，确保是第一。

#### Accuracy
1. Adhere to principles, be strict with oneself, and ensure compliance with laws and regulations;
2. Follow the target accurately, have clear thinking, and ensure to be on the waterway;
3. Adhere to requirements and standard operations to ensure that one does not take things for granted;
4. Accurately carry out tasks, always confirm everything, and ensure accuracy;
5. Be sure to achieve results, everything will come to fruition, and ensure that it is the first.

### 高效
1、高效率，没有准备不上班，没有结果不下班，今日事今日毕。
2、高品质，不接收不良品，不生产不良品，不流出不良品；
3、高匠心，用钻牛角尖的精神有效解决市场需求；
4、高成长，八小时内求生存，八小时外求发展；
5、高标准，站在今天做未来的事。

#### Efficient
1.Efficient, don't go to work without preparation, don't leave work without results, finish today's work today.
2. High quality, no acceptance of defective products, no production of defective products, no outflow of defective products;
3. High craftsmanship, effectively solving market demand with a sharp and meticulous spirit;
4. High growth, seeking survival within eight hours, and seeking development beyond eight hours;
5. High standards, standing today and doing future things.

### 敢拼
1、面对目标，敢于拼搏，拼到感动自己；
2、面对竞争，敢于超越，拼到无能为力；
3、面对瓶颈，敢于挑战，拼到最后一刻；
4、面对压力，敢于皮实，拼成最亮的星；
5、面对邪气，敢于正义，拼成骨气　　。

#### Dare to fight
1. Face the goal, dare to fight hard, and work hard to move oneself;
2. In the face of competition, dare to surpass and struggle to the point of powerlessness;
3. Face bottlenecks, dare to challenge, and fight until the last moment;
4. Faced with pressure, dare to be down-to-earth and put together the brightest star;
5. In the face of evil, dare to be righteous and form a blue wave of backbone.

### 敢当
1、遇到问题，敢于承担，不推诿，当己事；
2、遇到批评，敢于接纳，不狡辩，当学习；
3、遇到变化，敢于拥抱，不退缩，当机遇；
4、遇到委屈，敢于站起，不消极，当成长；
5、遇到诱惑，敢于抵抗，不心动，当激励。

#### Dare to take responsibility
1. When encountering problems, dare to take responsibility, do not shirk responsibility, and take it personally;
2. When encountering criticism, dare to accept it, do not quibble, and learn from it;
3. When encountering changes, dare to embrace, do not retreat, and be an opportunity;
4. When encountering grievances, dare to stand up, not be negative, and grow;
5. When encountering temptation, dare to resist, not be tempted, and be inspired.

# 敢于创新/与众不同
拥有100余项专利 多项认证
Dare to innovate/stand out from the crowd
YULIAN has over 100 patents and multiple certifications

# 荣获"高新技术企业"
为振兴民族品牌而不懈努力奋斗
Awarded as a high-tech enterprise
Striving tirelessly to revitalize national brands

# 让用电更安全
安全大电流按钮开关
Make electricity safer
Safe high current button switch

# 部分客户 Part Customers

HUAWEI GREE BYD Build Your Dreams CHNT 正泰 中国中车 CRRC BOSCH Haier TESLA 雅迪

YUTONG More.....

排名不分先后
Ranking in no particular order

会议室 Meeting Room

1500平方成品和半成品仓库 1500 square meters of finished and semi-finished product warehouses

注塑车间 Injection workshop

试验室 Laboratory

自动化车间 Automatic Workshop

数控车间 Numerical control workshop

# 强大的研发能力

品种规格齐全，总有一款满足您的需求！
Variety specifications, there is always a suitable for you!
STRONG R&D Capability

**P15** 1409迷你船型开关
Mini Rocket Switch

**P16** 2810.5船型开关
Roker switch

**P17** 2822船型开关
Roker switch

**P20** 12E 7A迷你大电流按钮
Mini High-Current Button

**P21** 16/19B 10A大电流按钮
High-Current Button

**P22** 16E3 16A迷你短款按钮
Mini Short-lagre Current

**P23** 19/22E 16A短款大电流按钮
Short High-Current Button

**P24** 22/25C 16A大电流按钮
High-Current Button

**P25** 1913 16A大电流方形开关
High-Current Button

**P26~27** A系列金属按钮
A Series Metal Button Switch

**P28** 19A1金属按钮
Metal Button Switch

**P29** 12B/16E 短款按钮
Short Button Switch

**P30** 22B/25B大电流按钮
High-Current Button

**P31** 19/22CM大电流触摸按钮
High current touch button

**P32** 16-22QC超薄轻触按钮
Ultra thin touch button

**P33** 19A(2L)金属按钮
Metal Button Switch

**P34** 16NZ钮子开关
Metal Toggle Switch

**P35** 16NZ2钮子开关
Metal Toggle Switch

**P36** 12NZ1/12NZ2钮子开关
Metal Toggle Switch

**P37** 19X5旋钮开关
Metal Knob Switch

**P38** 19Y5钥匙钮
New Key Switch

**P39** 带灯急停
Stop Button with LED

**P40** 无灯急停
Emergency Button

**P41** 塑料急停
Emergency Button

**P43** 16F-19F高防水按钮
Waterproof metal button

**P44** 16X1-19X1旋钮开关
Metal Knob Switch

**P45** 16Y1-19Y1钥匙钮
Key Switch

**P46** 22F高防水按钮
Waterproof metal button

**P47** 6-25mm信号灯系列
6-25mm Indicator Light

**P48** 8mm高亮指示灯
Bright Indicator Light

**P49** 闪光蜂鸣器
Buzzer

**P50** 2系列经济款按钮
Economic Series

**P51** 16SA塑料按钮
Plastic Switch

**P52~55** 22SA1快捷塑料按钮
22SA1 Quick plastic button

**P56~58** 22SA2组合式塑料按钮
22SA2 modular plastic button

**P59** S2光电开关
S2 Photoelectric switch

**P60~61** 开关电源系列
Switch power supply

**P62** 定制开发系列
Customization

**P63** 防水盒系列
Waterproof box

**P64** 附件系列
Accessories Series
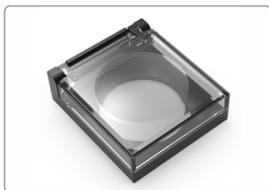
**P65** 保护盖/防尘盖
Safety Shield

**P66** 螺母扳手
Nut Wrench

# 金属船型开关系列



## 金属船型开关命名规则 Rocker Switch Naming Rules

LBCX□/★※■/▲▼/◎/※

其它备注：定制符号、防水要求、特殊颜色要求等
Other remarks: customized symbols, waterproof requirements, special color requirements, etc

上罩和翘板材质：N-镀铬（高配）　PC-黑色塑料
Upper cover and rocker material: N-chrome plated (high-end) PC black plastic

带灯电压：3-8V/25-48V/110V为定制电压　5(9)-24V/220V(250V)常规电压
Voltage with lamp: 3-8V/25-48V/110V is customized voltage 5 (9) −24V/220V (250V), conventional voltage

发光颜色：R-红 G-绿 B-蓝 Y-黄　1409、16、20、2810.5只做 R-红 G-绿
Glow color: R-red G-green B-blue Y-yellow; 1409、16、20、2810.5 only R-red G-green

档位：2-2档　3-3档
Glow color range: 2–2nd gear, 3–3rd gear

开关组合：10-1NO　20-2NO　11-1NO1NC　22-2NO2NC
Switch combination: 10-1NO 20-2NO 11-1NO1NC 22-2NO2NC

面板颜色：H-黑色 J-金色 Y-银色
Panel colour: H-Black J-Gold Y-silvery

开孔尺寸：1409、16、20、2810.5、2822（mm）
Hole size:1409、16、20、2810.5、2822（mm）

船型开关代码
Rocker Switch Code

代码
YULIAN Code



LED
面板 Panel
翘板 Rocker
上罩 Upper cover
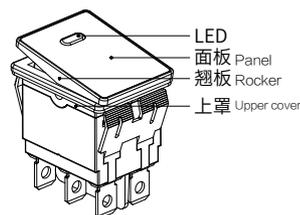
注：开孔外形尺寸后面用"-"隔开，※档位、▼带灯 电压后面需要用"/"隔开；不带灯的无需填写▲发光颜色、▼带灯 电压。
　　开关组合 1NO 和 1NC 只能做不带灯。
例：28*22 外形、黑色面板、2NO、2 档、蓝色、24V、镀铬上罩、　　对应型号：LBCX2822/H2O2/B24V/N(L)

Note: The outer dimensions of the opening should be separated by "-", and the positions ※ and　with lamp voltage should be separated by "/";
For those without lights, there is no need to fill in ▲ luminous color and　voltage with lights.Switch combinations 1NO and 1NC can only be used
without lights.Example: 28 * 22 appearance, black panel, 2NO, 2nd gear, blue, 24V, chrome plated upper cover.
Corresponding model: LBCX2822/H2O2/B24V/N (L)

# LBCX16

迷你圆形船型开关
Mini Rocker Switch
Ith:10A 250VAC

常规电压 :5-24V 220V, 定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage
常规颜色 :红色、绿色；定制:蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow/White

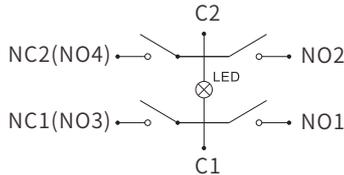| A | Ith:10A 大电流开关 High-Current | 2000VAC 高绝缘耐压 High-Insulation | Metal 金属外壳 Metal Shall | LED 50000H 长寿命灯珠 Long Life LED | 20万次 机械寿命 Mechanical Life | 2档 档位清晰 2 Gears | -40~80℃ 环境耐温强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |

带指示灯
LED

加粗镀银插脚,触点
Bold Silver Plated Pins,High-Current

数控加工,外观高档
CNC,High-grade
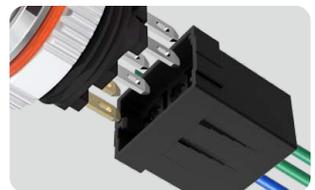
专用接插件
Connector
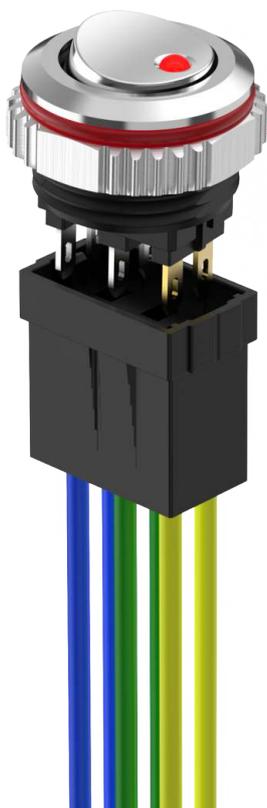
NO脚蓝线　　NO Pin blue line
NC脚黄线　　NC Pin yellow line
C公共脚绿线　C Public Pin green line

18.8　　1.7
19.4　14.4　4　9.4
5
M16X1
5
2±0.02
4

0.5mm² 国标铜芯线
长度L：150mm;可定制线长
0.5mm² copper core wire
L: 150mm; length can be customized
此接插件适用于LBCX16、LBCX1409
This connector is suitable for LBCX16 and LBCX1409

L=150
16.3
(0.5-2)
8±2

NC2　　　　C2　　　　NO2
NC1　　LED　　NO1
C1
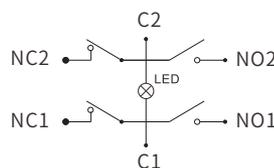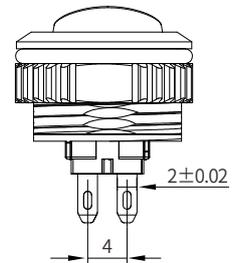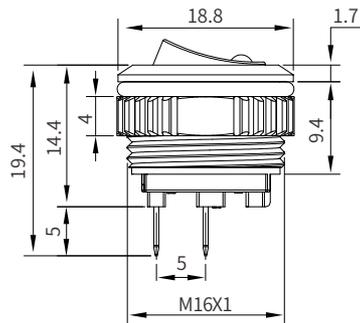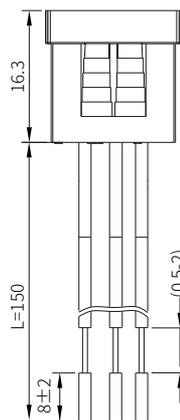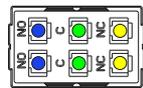
带灯（2档/6脚）
With LED（2 Gears/6PINS）

C2　　　　NO2
LED
C1　　　　NO1
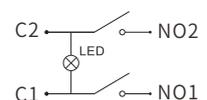
带灯（2档/4脚）
WithLED（2 Gears/4 PINS）

# LBCX20

## 船型开关
## Rocker Switch
## Ith:20A 250VAC
二档/三档

外壳

基座

底座

常规电压:5-24V 220V,定制其它电压
Normal Voltage: 5-24V 220V ,Customizable Other Voltage
常规颜色:红色、绿色;定制:黄色、白色、蓝色
Normal Color: Red/Green;Customizable:Yellow/White/Blue

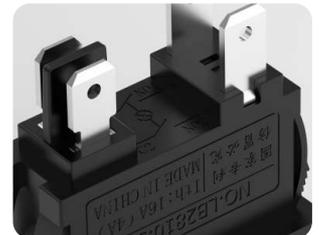| A Ith:20A 大电流开关 High-Current | 2000VAC 高绝缘耐压 High-Insulation | Metal 金属外壳 Metal Shall | LED 50000H 长寿命灯珠 Long Life LED | 10万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |

不锈钢外壳,坚固耐用
Stainless steel casing

镀银引脚
Silver-plated pins

LED灯珠,寿命达50000小时
Momentary with LED

阻燃底座
Flame-retardant base

NC Pin yellow line
NC脚黄线

Public Pin green line
公共脚绿线

NO脚蓝线
NO Pin blue line

Φ23

2.6

4

10.4

23.3

7.6

6

12

M20X1

A

LBCX20
16A 250VAC NO. 2B02 ROHS
16A 36VDC LED: R5-24V IP65

B

7

29

L=150

8±2

1.5mm² 国标铜芯线
长度L:150mm;可定制线长
1.5mm² copper core wire
L: 150mm; length can be customized

C2
NC2(NO4) — NO2
⊗LED
NC1(NO3) — NO1
C1
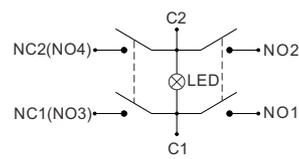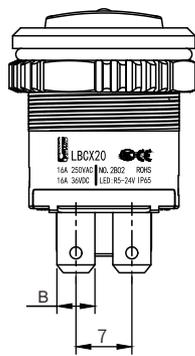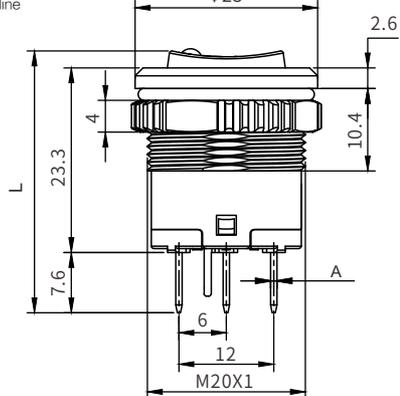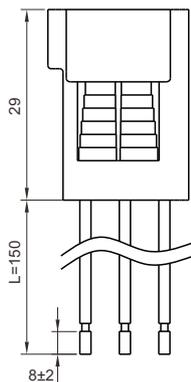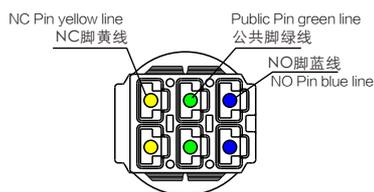
6脚 (3档) 原理图
Schematic diagram of 6-pin (3rd gear)

C2
NC2 — NO2
⊗LED
NC1 — NO1
C1
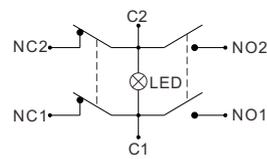
6脚 (2档) 原理图
Schematic diagram of 6-pin (2nd gear)

| 型号 | L | A | B |
|---|---|---|---|
| LBCX20-Y403 | 33 | 6-0.8±0.02 | 6-4.8±0.05 |
| LBCX20-Y222 | 34.5 | 6-0.8±0.02 | 6-4.8±0.05 |
| LBCX20-Y202 | 34.5 | 4-0.8±0.02 | 4-4.8±0.05 |

C2 — NO2
⊗LED
C1 — NO1
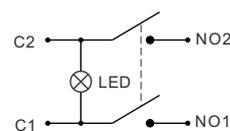
4脚 (2档) 原理图
Schematic diagram of 4-pin (2nd gear)

# LBCX1

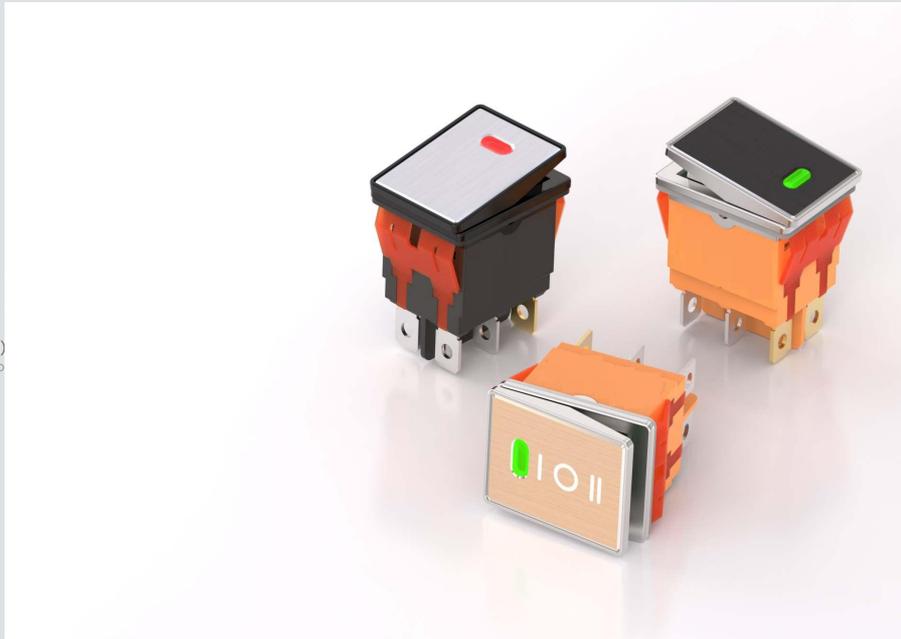迷你金属船型开关
Mini Rocker Switch
Ith:10A 250VAC

绚丽黑　土豪金　天山银

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA
常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Volt
常规颜色:红色、绿色;定制:蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Ith:10A**<br>大电流开关<br>High-Current | **2000VAC**<br>高绝缘耐压<br>High-Insulation | **6063**<br>铝氧化面板<br>Aluminium Oxidized | **LED 50000H**<br>长寿命灯珠<br>Long Life LED | **20万次**<br>机械寿命<br>Mechanical Life | **2/3档**<br>档位清晰<br>2/3 Gears | **-40~80℃**<br>环境耐温强<br>Environment | **CCC RoHS CE**<br>专利及认证<br>Certificate |

3档标识
3 Gears mark

银氧化锡触点
AgSn02

镀金/镀银插脚
Gold-plated/silver-plated pins

专用接插件
Connector

**LBCX1409**
Ue:AC220V/7A
Ie:7A MADE IN CHINA

带灯（3档/6脚）
With LED (3rd gear/6-pin)

NC2(NO4) — C2 — NO2
NC1(NO3) — C1 — NO1
LED
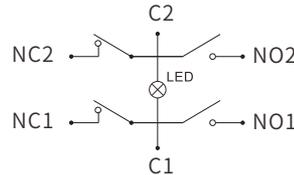
带灯（2档/6脚）
With LED (2rd gear/6-pin)

NC2 — C2 — NO2
NC1 — C1 — NO1
LED
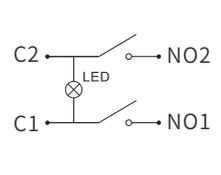
带灯（2档/4脚）
With LED (2rd gear/4-pin)

C2 — NO2
C1 — NO1
LED

15.5
14.9
2.75
3
15.5
**LBCX1409**
Ue:AC220V/7A DC24V/7A
Ie:7A MADE IN CHINA
0.5
13

19.9
5
2

10
5
4
NC1(NO3) C1 NO1
NC2(NO4) C2 NO2
5

10.0mm
15mm
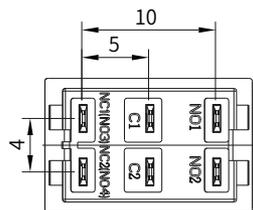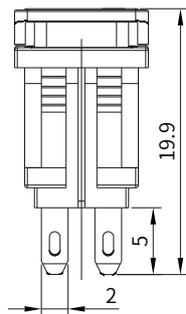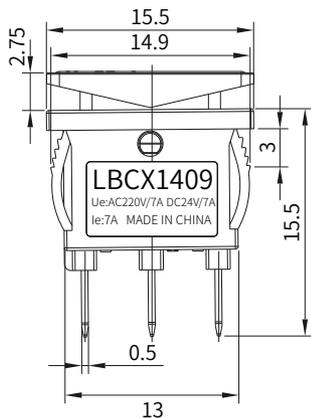
5角硬币
5 cent coin
20mm

P/15

# LBCX2810.5

## 大电流金属KCD3
### High-Current KCD3
Ith:20A 250VAC

## 2NO



C2 —○ ○— NO2
LED
C1 —○ ○— NO1
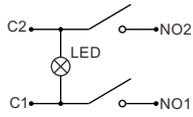
| 红色 Red | 绿色 Green | 土豪金 Gold | 天山银 Silver | 绚丽黑 Black |
|---|---|---|---|---|

LED发光颜色
LED Color

面板颜色
Panel Color

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:9-24V 250V, 定制其它电压
Normal Voltage:9-24V 250V,Customizable Other Voltage

常规颜色:红色、绿色;定制:蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow/White

| 20A Ith 大电流开关 High-Current | 3000VAC 高绝缘耐压 High-Insulation | 6063 铝氧化面板 Aluminium Oxidized | LED 50000H 长寿命灯珠 Long Life LED | 20万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

铝切割面板,高亮面边框
Aluminum Cutting panel

加粗镀银插脚,触点,大电流
Bold Silver Plated Pins ,High-Current

带指示灯
LED

阻燃底座
Flame-retardant base



30.5

33.3

NO.LB2810.5-1
国家专利
仿冒必究 Ith:16A(4A)
MADE IN CHINA

8

4.8  2.5

10.4  27.8  Ø1.5

15  7.7

NO2  C2

NO1  C1

16

LED发光指示

4.7
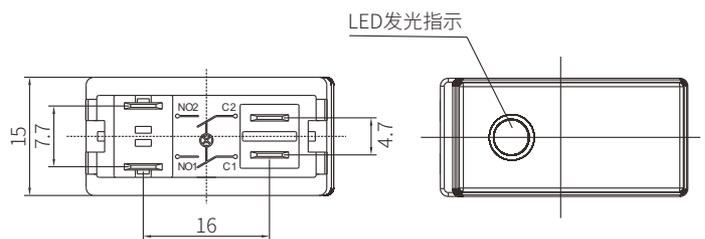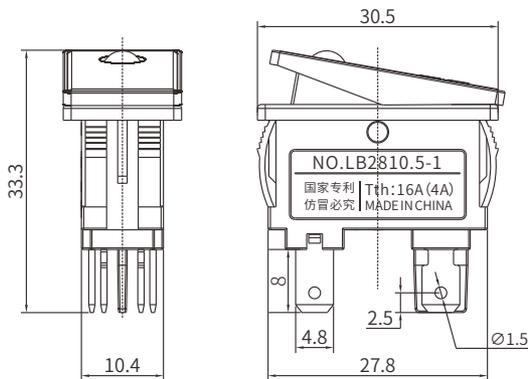
# LBCX2822 Roker 船型

## 大电流金属KCD4
### High-Current KCD4
### Ith:20A 250VAC
## 2NO/2NO2NC

自锁/自复(2NO2NC/2档)

NC2(NO4) — C2 — NO2
NC1(NO3) — LED — NO1
C1

带灯 (3档/6脚)
Light(3 gear/6 pin)

NC2 — C2 — NO2
NC1 — LED — NO1
C1

带灯 (2档/6脚)
Light(2 gear/6 pin)

C2 — NO2
C1 — NO1

带灯 (2档/4脚)
Light(2 gear/4 p

土豪金
Gold

天山银
Silver
面板颜色
Panel Color

绚丽黑
Black

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:9-24V 250V,定制其它电压
Normal Voltage:9-24V 250V,Customizable Other Voltage

常规颜色:红色、绿色;定制:蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow/White

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **20A** Ith 大电流开关 High-Current | **3000VAC** 高绝缘耐压 High-Insulation | 铝拉丝面板 金属材质 Aluminium Oxidized | **LED** **50000H** 长寿命灯珠 Long Life LED | **20万次** 机械寿命 Mechanical Life | 底座V0 耐温阻燃 AntifLaming | **-40~80℃** 环境耐温强 Environment | CCC RoHS REACH 专利及认证 Certificate |

---

32
27
7
40.8
31.1
9
6.2
21.8
0.8
33
MADE IN CHINA
发明专利号:201720076065.3
新型专利号:202110045057.7
外观专利号:202021440684.8

LED发光
10.8
10.8
10.8
NC  NC
NO  C  NO  C

25

A3(NC Pin yellow line)
A3(NC脚黄线)
A2(Public Pin green line)
A2(公共脚绿线)
A1(NO脚蓝线)
A1(NO Pin blue line)

29
29.5
24.8
LBCX2822-1.16插壳
150±5
8±2
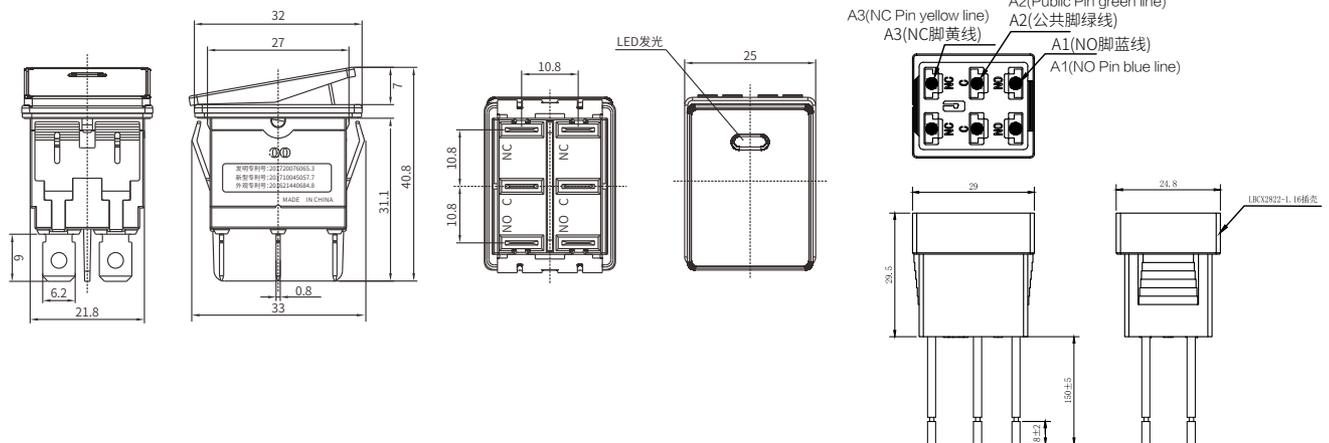
# 金属按钮、旋钮、钥匙钮、急停钮命名规则
Naming convention for metal buttons, knobs, key buttons and emergency stop buttons

LBØ◇-★ ◆■/⊙▲▼/◎/☆/※

**其它备注:** 定制符号、防水要求、特殊颜色要求等
Other remarks: customized symbols, waterproof requirements, special color requirements, etc

**接线:** J-螺丝脚 (蜂鸣器) Wiring: J-screw pin (buzzer)

**档位:** 2-2档  3-3档  (此选项只针对旋钮及钥匙钮,其它开关忽略此项)
Gear position: 2- 2nd gear, 3-3rd gear (this option only applies to knobs and key knobs, ignored for other switches)

**外壳材质:** S-不锈钢  N-镀铬(镀镍)  A-铝氧化  PC-塑料  ST-镀钛
Shell material: S-stainless steel  N-chromium plated (nickel plated)  A-aluminum oxide  PC-plastic  ST-Titanium plated

**带灯电压:** 3-8V/25-48V/110V为定制电压  5-24V/9-24V/220V 常规电压
Voltage with lamp: 3-8V/25-48V/110V, customized voltage 5-24V/9-24V/220V, conventional voltage

**发光颜色:** R-红 G-绿 B-蓝 Y-黄 W-白 O-橙 (定制)
RG-红绿 RB-红蓝 RGB-红绿蓝 RGW-红绿白 (注:只有A系列可做双色,三色)
Glow color: R-red G-green B-blue Y-yellow W-white O-orange (customization)
RG-red green RB-red blue RGB-red green blue RGW-red green white (Note: Only the A series can be made in 2 or 3 colors)

**发光类型:** E-环形  E+DY-环形+电源标  DY-电源标  D-点灯  E+XD-环形+小点
Luminous type: E-annular E+DY-annular+Power supply sign DY-Power supply sign D-Lighting E+XD-annular+Small dots

**操作类型:** F-自复式 Z-自锁式(保持式) Operation type: F-self resetting Z-self locking (holding)

**开关组合:** 10-1NO  1C-1NC  11-1NO1NC  20-2NO  22-2NO2NC  (NO为常开触点,NC为常闭触点)
Switch combination: 10-1NO 1C-1NC 11-1NO1NC 20-2NO 22-2NO2NC (NO-normally open contact, NC-normally closed contact)

**头部形状:** P-平头  G-高头  Q-球头  Y-钥匙钮  X-旋钮  M-蘑菇头
Head shape: P-Flat head G-High head Q-Ball head Y-Key X-Knob M- Mushroom head

**系列号** A[(16A、19A为1NO1NC,3A);(19A1、22A、25A、30A、40A)有1NO1NC或2NO2NC可选,3A]
Series number
B[(12B,1NO,2A) ;(16B、19B,1NO,10A);(22B、25B,独立1NO1NC,7A)]
C[(22C、25C,2NO,15A) ]
E[(12E,1NO,7A);(16E,1NO,2A);(16E3,1NO,16A);(19E,22E,1NO,16A)]
Y5-19Y5、22Y5,1NO1NC 或 2NO2NC可选,5A,无灯,3A升级款
X5-19X5、22X5,1NO1NC 或 2NO2NC可选,带灯,3A升级款
M3(22M3,40mm超大头/1NO1NC,无灯,8A)   M4(16 19 22mm,1NO1NC,带灯,3A)
M5.1(19M5.1、22M5.1,大头,无灯) M5.2(19M5.2、22M5.2,小头,无灯) M5.4(19M5.4、22M5.4,带灯)
M6(19M6、22M6,短款(short),无灯LED))   (M5系列均有1NO1NC或2NO2NC可选,3A)
SA-塑料按钮(plastic button) NZ/NZ2-钮子开关(Button switch) QC-轻触(Touch lightly) CM-触摸(Touch)
SM-塑料急停带箭头(Plastic emergency stop with arrow)
SM2-塑料急停箭头+STOP(Plastic emergency stop with arrow+STOP)
SM3-塑料急停带箭头(Plastic emergency stop with arrow)

**安装孔直径(螺纹外径):** φ12、φ16、φ19、φ22、φ25、φ30、φ40mm
(每个系列里的开孔并不是从φ12-40mm都有,请参照系列号后括号里的孔径)
Installation hole diameter (thread outer diameter):φ12、φ16、φ19、φ22、φ25、φ30、φ40mm
(The openings in each series are not derived from φ Available in sizes 12-40mm, please refer to the aperture in parentheses after the serial number)

**代号** YULIAN Code

**例:** 1. 需要16mm开孔、A系列、平头、1NO1NC、自锁、环形、红色发光、LED电压12V、镀铬外壳  **对应型号:LB16A-P11Z/ER9-24V/N(L)**
1. Requires 16mm opening, A series, flat head, 1NO1NC, self-locking, circular, red emitting, LED voltage 12V, chrome plated shell    Corresponding model: LB16A-P11Z/ER9-24V/N (L)

2. 需要22mm开孔、M5.1系列、蘑菇头、2NO2NC、自锁、不锈钢外壳  **对应型号:LB22M5.1-M22Z/S/A(L)**
2. It needs 22mm opening, M5.1 series, Bowl cut, 2NO2NC, self-locking, stainless steel shell    Corresponding model: LB22M5.1-M22Z/S/A (L)

3. 需要19mm开孔、X5系列、旋钮、1NO1NC、LED电压12V、红色发光,保持式、不锈钢外壳、2档  **对应型号:LB19X5-X11Z/R5-24V/S/2(L)**
3. Requires 19mm opening, X5 series, knob, 1NO1NC, LED voltage 12V, red light emitting, holding type, stainless steel housing, 2nd gear
Corresponding model: LB19X5-X11Z/R5-24V/S/2 (L)



| 球头 | 平头 | 高头 | 方形 | 旋钮 | 钮子 | 急停 | 钥匙 | 22M3 |
|---|---|---|---|---|---|---|---|---|
| Ball head | Flat head | High head | Square | Knob | Button | Emergency stop | Key | 22M3 |



| E+DY | E | DY | D | E+XD | 无灯 |
|---|---|---|---|---|---|
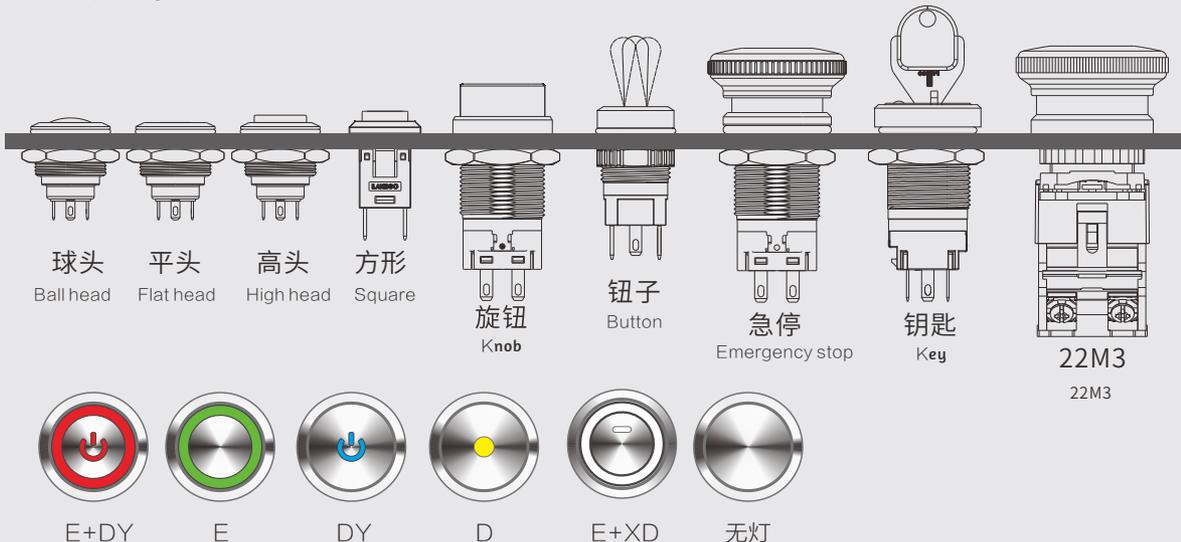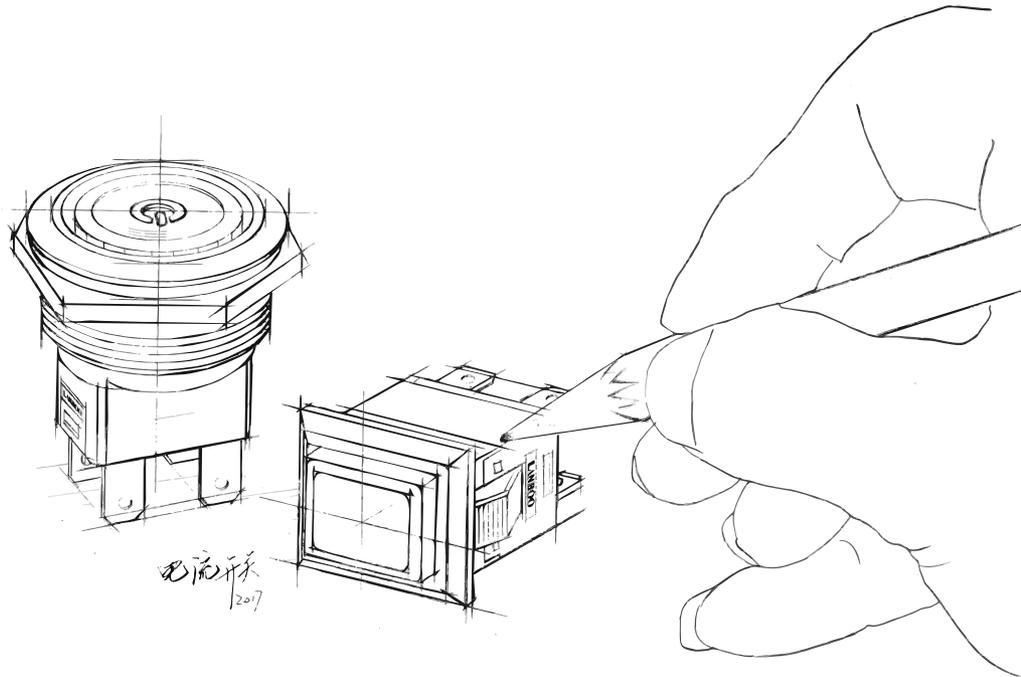
# 安全大电流按钮开关

## Safe & High-Current Push Button Switch

[certification logos] ISO 9001 | CB | SGS | CCC | CE | CQC | IP67 | IK10 | RoHS | ...
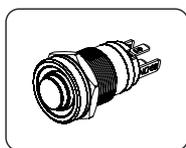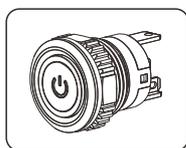
| 12E/7A Series | 16E3/20A Series | 19E/15A Series | 22C/15A Series |
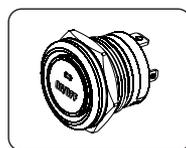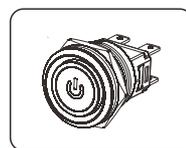
## 一直被模仿,从未被超越
### We've been imitated, But never beyond

# LB12E High Current

## 迷你大电流金属按钮
Mini High-Current Button Switch

Ith:10A 250VAC

## 1NO



| | | |
|---|---|---|
| 无灯 Without | 环形灯 Ring LED | 环形+电源 Ring+Power Symbol |
| 红色 Red | 绿色 Green | 蓝色 Blue | 黄色 Yellow | 白色 White |

低功耗LED:≤20mA
Low Power Consumption LED: ≤20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White
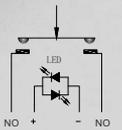
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **10A** Ith 大电流开关 High-Current | **2500VAC** 高绝缘耐压 High-Insulation | **LED** 50000H 长寿命灯珠 Long Life LED | **100万次** 机械寿命 Mechanical Life | **V0** 耐温阻燃 Antif Laming | **-40~80℃** 环境耐温强 Environment | **IP67/IK08** 防水防爆 Protection Level | **CCC RoHS REACH CE UL** 专利及认证 Certificate |

凹面头部,方便按压
Concave Head

配套插件
Connector

镀金镀银插脚
Gold/Silver Plated Pins

高亮均匀发光
Even and Soft LED
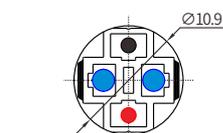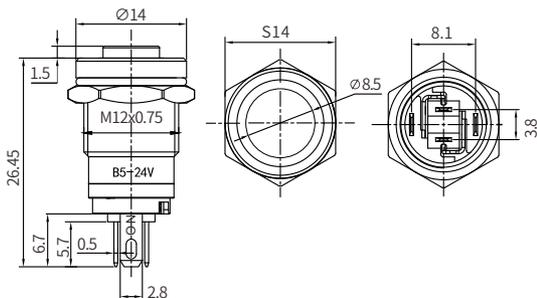


1mm² 蓝色线 Blue Wire (NO)
0.3mm² 黑色线 Black Wire (LED-)
0.3mm² 红色线 Red Wire (LED+)
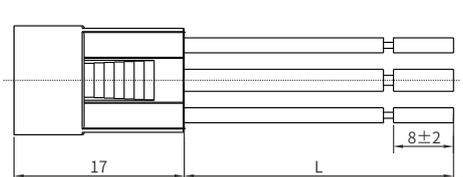
标准线长150mm,可定做其它尺寸
Wire Length:150mm,Customize other Sizes

# LB16B/19B High Current

## 大电流金属按钮开关
### High-Current Button Switch
### Ith:15A 250VAC

## 1NO
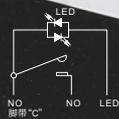


无灯
Without

环形灯
Ring LED

环形+电源
Ring+Power Symbol

红色
Red

绿色
Green

蓝色
Blue

黄色
Yellow

白色
white

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:9-24V 220V,定制其它电压
Normal Voltage:9-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **15A** Ith 大电流开关 High-Current | **1500VAC** 高绝缘耐压 High-Insulation | **LED 50000H** 长寿命灯珠 Long Life LED | **100万次** 机械寿命 Mechanical Life | **V0** 耐温阻燃 Antif Laming | **-40~80℃** 环境耐温强 Environment | **IP65/IK10** 防水防爆 Protection Level | **CCC RoHS REACH CE** 专利及认证 Certificate |



柔光光圈,长寿命LED
Soft Light Aperfure

高精数控,精致美观
Seiko CNC

专用插件,阻燃耐温
Connector

加大银触点,粗脚,电流大
Big Silver Contact



Φ14

Φ22 Φ19

硅胶防水圈
Silicone Waterproof Ring

M16X1 M19X1

S19 S22

1.5 17 39.5

8 2.8 0.8

4.8

NO NO

10.58

17 14.5 29 8±2 0.5-2 L
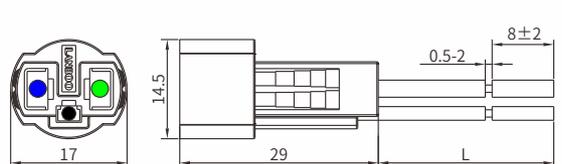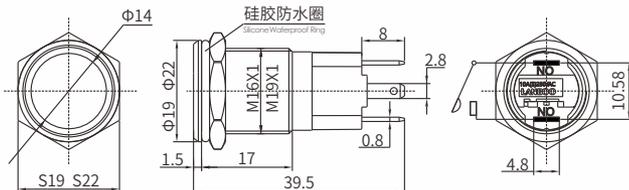
● 蓝色和 ● 绿色NO线为1mm²,● 黑色灯脚线0.5mm²,
线长150mm,可定做其它线长。
Blue and Green NO wire 1mm²,Black LED wire 0.5mm²,
Wire Length:150mm,Customize other sizes.

# LB16E3 Short Large current

迷你短款大电流金属按钮
Mini Short-lagre Current Button Switch

Ith:20A 250VAC

## 1N0

环形灯
Ring LED

环形+电源
Ring+Power Symbol

| 红色 | 绿色 | 蓝色 | 黄色 | 白色 |
|------|------|------|------|------|
| Red | Green | Blue | Yellow | white |

低功耗LED:≤20mA
Low Power Consumption LED: ≤20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

LED
NO + - NO
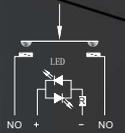
| 20A Ith 大电流开关 High-Current | 短 23mm 短款设计 Short Design | 4000米 适合海拔 Long Life LED | 50万次 机械寿命 Mechanical Life | V0 连接端耐温阻燃 Antif Laming | -40~80℃ 抗耐温范围 Environment | IP66/IK08 防水防尘 Protection Level | CCC RoHS REACH UL 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

凹面头部,方便按压
Concave Head

配套插件
Connector
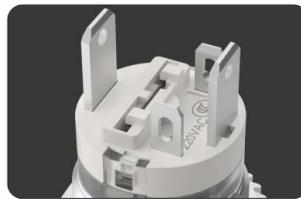
镀银长插脚
Silver Long Plated Pins

高亮均匀发光
Even and Soft LED

1.5  Φ18.8
10.6
26.6
M16X1

1.5  Φ18.8
10.6
23.5
M16X1
4.8

长脚款
Long pins

短脚款
Short pins

18
9
Φ19.96
3.1
18
11.6
5.8

Φ12.5
Φ10.1
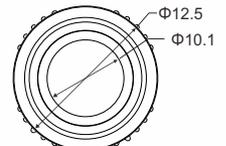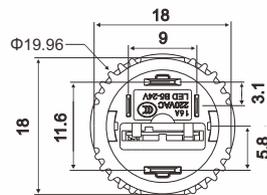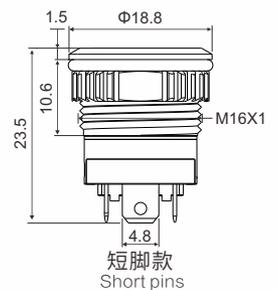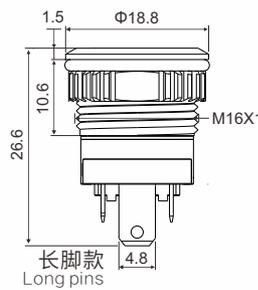
短脚无接插件
Short pin without connector

NO
脚蓝线
LED 脚红线
NO
LED 脚红线
No脚蓝线
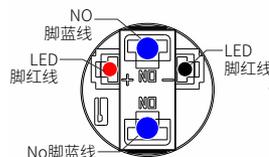
NO脚1.5mm²    NO pin 1.5mm²
LED脚0.5mm²    LED pin 0.5mm²

17    L
8±2
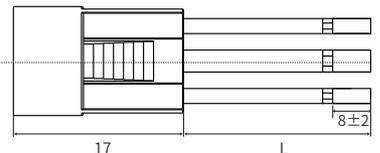
标准线长150mm,可定做其它尺寸
Wire Length:150mm,Customize other Sizes

# LB19E /22E Short 短款

## 大电流金属按钮开关
### High-Current Short Switch
**Ith:20A 250VAC**

## 1NO
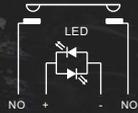
LED
NO + - NO

| 红色 Red | 绿色 Green | 蓝色 Blue | 黄色 Yellow | 白色 white |
|---|---|---|---|---|

低功耗LED:≤20mA
Low Power Consumption LED
常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage
常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

总长仅23.2mm

| 20A Ith 大电流开关 High-Current | 2500VAC 高绝缘耐压 High-Insulation | LED 50000H 长寿命灯珠 Long Life LED | 100万次 机械寿命 Mechanical Life | V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | IP67/IK10 防水防爆 Protection Level | CCC RoHS REACH CE UL 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

凹面大按键,贴合手指
Easy to Press

无极LED灯珠,大触点
Non-Polar LED

加粗镀金脚,可拆锁钩
Thick Gold Plated

专用接插件
Connector

S22 S25 Ø15.2

13.8

12

短脚款
Short pins
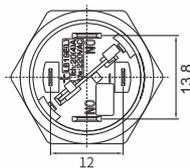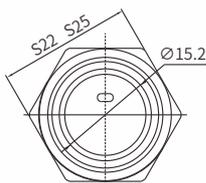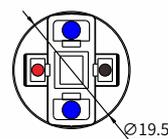
长脚配插件款
Long leg plug-in model

Ø19.5

0.5-2    8±2

21.8 24.8

23.2   10  2

4.8

0.5    4.8

M19X1
M22X1

短脚款

21.8 24.8

26.4   10  2

8  4.8

4.8    0.5

M19X1
M22X1

长脚款

24    L(默认150)
L(default 150)
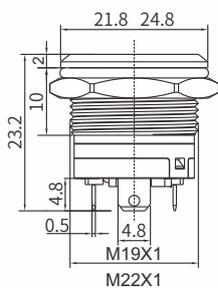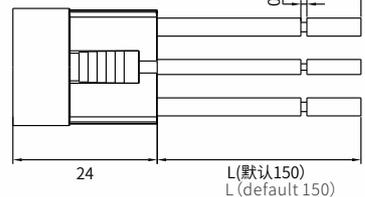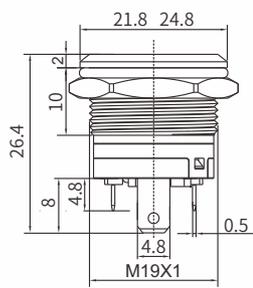
● 红色和 ● 黑色灯脚线0.5mm², ● 蓝色NO负载线1.5mm²
线长150mm,可定做其它线长
Red and Black LED wire 0.5mm²,Blue NO wire 1.5mm²
Wire Length:150mm,Customize other sizes.

# LB22/25C High Current

## 大电流金属按钮开关
### High-Current Button Switch
Ith:20A 250VAC

## 2NO

NO1 —•— NO1
LED ⊗
NO2 —•— NO2

无灯
**Without**

环形灯
**Ring LED**

环形+电源
**Ring+Power Symbol**

红色
**Red**

绿色
**Green**

蓝色
**Blue**

黄色
**Yellow**

白色
**white**

低功耗LED：≤20mA
Low Power Consumption LED:≤20mA

常规电压：9-24V 220V,定制其它电压
Normal Voltage:9-24V 220V,Customizable Other Voltage

常规颜色：红色、绿色、蓝色;定制：黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

| 20A Ith 大电流开关 High-Current | 3000VAC 高绝缘耐压 High-Insulation | LED 50000H 长寿命灯珠 Long Life LED | 100万次 机械寿命 Mechanical Life | V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | IP67/IK10 防水防爆 Protection Level | CCC RoHS REACH CE UL 专利及认证 Certificate |

凹面设计,贴合手指
**Concave Design/Easy to press**

加粗镀银插脚,大电流
**Bold Silver plated Pins,High-Current**

可配插件,塑料件均阻燃
**Connector**
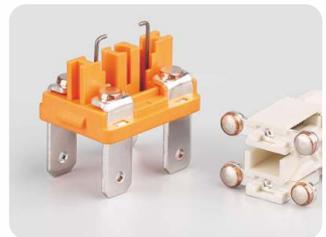
加大银点,双锁钩
**Bold Silver Contact**

Φ17.5
2
11
Φ24.8/27.8
M22/25X1
4.8
7.8
34.3
S25/S28

10
11

23.4
15.7
29.5

8±2
0.5-2
L
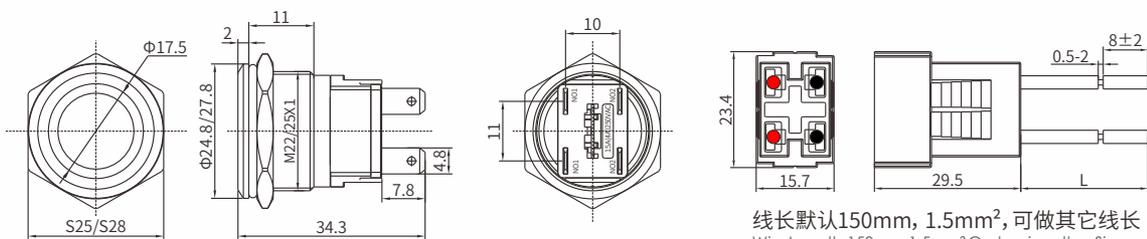
线长默认150mm，1.5mm²,可做其它线长
Wire Length:150mm,1.5mm² Customize other Sizes

# LB1913 方形按钮 Square Button

## 方形大电流金属按钮
## Square High-Current Button
### Ith:20A 250VAC

## 2NO
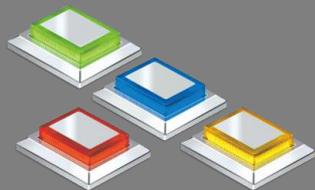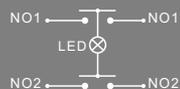
NO1 —— NO1
LED ⊗
NO2 —— NO2

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA
常规电压:9-24V 220V,定制其它电压
Normal Voltage:9-24V 220V,Customizable Other Voltage
常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White
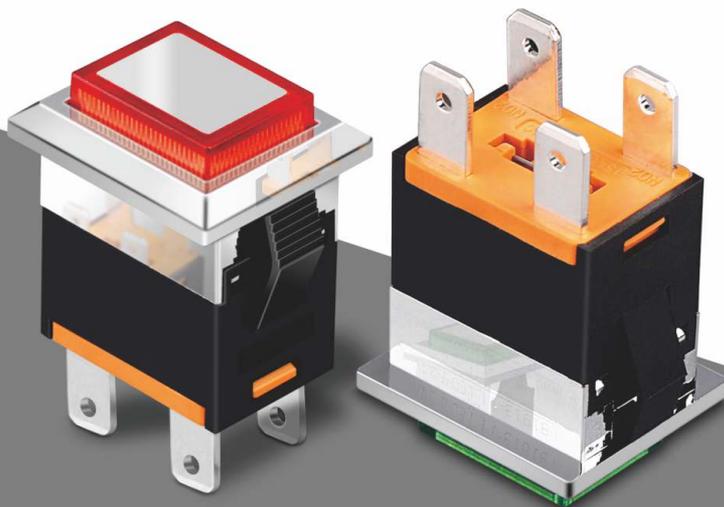
| 20A Ith 大电流开关 High-Current | 3000VAC 高绝缘耐压 High-Insulation | Metal 不锈钢按键 Stainless Steelkey | LED 50000H 长寿命灯珠 Long Life LED | 20万次 机械寿命 Mechanical Life | V0 耐温阻燃 Antif Laming | -25~55℃ 环境耐温强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

不锈钢按键,镀铬头部
Stainless Steel Key

加粗镀银插脚
Silver Plated Pins
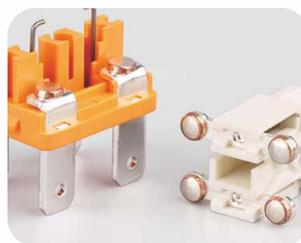
4颗加粗银触点
Silver Contact

专用接插件
Connector

2.5
5.5
4.4
26.75
0.8
8
4.8

LB1913
LED:220V
15A(4) 250VAC
15A(4) 24VDC

12.95
10
11
18.9
18.9
15
21
11.7
18

23.4
15.7
29.5
8±2
0.5-2
L
L(默认150)
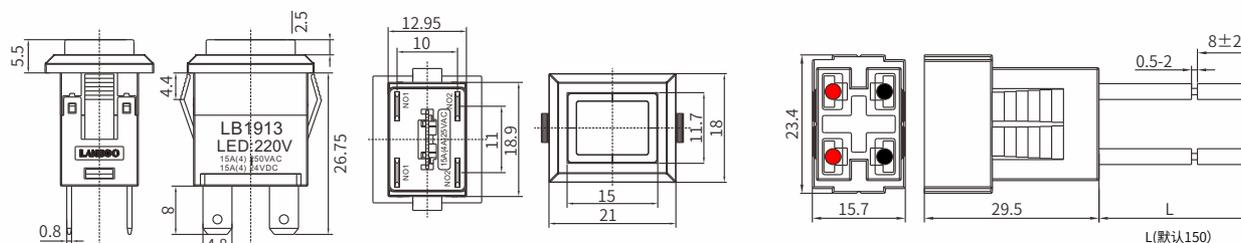
接插件线长默认150mm, 1.5mm², 可做其它线长
Wire Length:150mm,1.5mm² Customize other Sizes

# LB16-40A Series

Monochrome/Bi-color/Tri-color LED
IP67/可做双色、三色发光

## 1NO1NC / 2NO2NC

Ith:5A 250VAC

16-19mm
1NO1NC

22-40mm
1NO1NC/2NO2NC

LED
1 C NO NC 2
单色原理图
Monochromatic

LED2  LED3
LED1
3 1 C NO NC 2 4
三色原理图
Tri-color

LED1
LED2
3 1 C NO NC 2
双色单LED原理图
Bi-color Single LED

LED2
LED1
3 1 C NO NC 2 4
双色双LED原理图
Bi-color dual LED Schematic

●16A    ●19A    ●22A

●25A    ●30A    ●40A
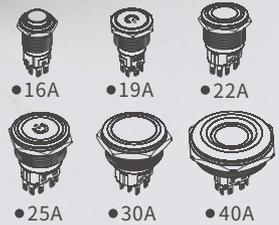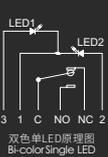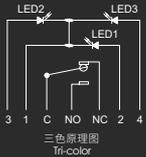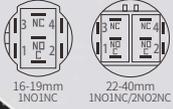
| RGB 可做双色三色 Bi-color Tri-color | <50mΩ 快动高灵敏 Contact sensitive | LED 50000H 长寿命灯珠 Long Life LED | 100万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | IP67/IK10 防水防爆 Protection Level | CCC RoHS REACH CE TUV CE(TUV) CB(TUV) 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

●16A(16mm)

●19A(19mm)

●22A(22mm)

●25A(25mm)

●30A(30mm)

●40A(40mm)
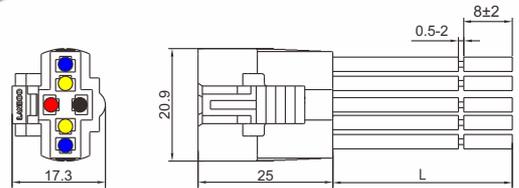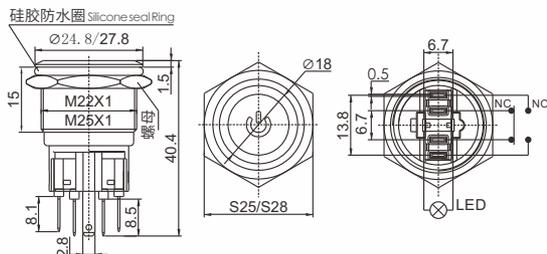
# 高亮无极宽电压LED
## Long Life/Wide Voltage LED

低功耗LED：≤20mA
Low Power Consumption LED：≤20mA

常规电压：9-24V 220V，定制其它电压
Normal Voltage:9-24V 220V,Customizable Other Voltage

常规颜色：红色、绿色、蓝色；定制：黄色、白色、双色、三色
Normal Color:Red/Green/Blue;Customizable:Yellow/White/Bi-color/Tri-color

头部防水IP67
Waterproof IP67

配套专用插件
Connector

镀金/银插脚/银触点
Silver/Gold Pins/Contact

定制外壳颜色
Custom Shell color

22-40mm底座 BaseSeat

16-19mm底座 BaseSeat
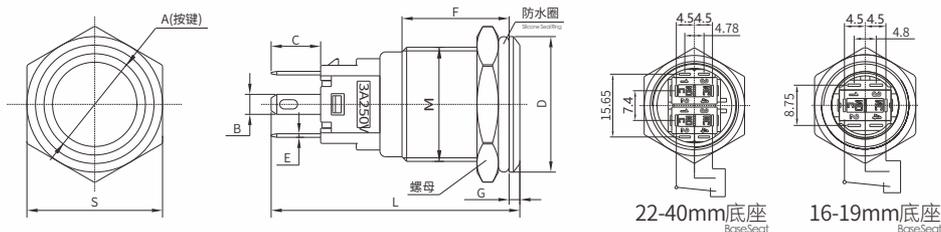
| 型号Model | Size尺寸 S | A | B | C | E | F | L | G | D | M | 触点类型Contact |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LB16A | S19 | Ø14 | 2.8 | 7 | 0.5 | 15 | 34.8 | 1.5 | Ø19 | M16X1 | 1NO1NC |
| LB19A | S22 | Ø17 | 2.8 | 7 | 0.5 | 15 | 34.8 | 1.5 | Ø22 | M19X1 | 1NO1NC |
| LB22A | S25 | Ø18 | 2.8 | 7 | 0.5 | 15 | 35 | 1.5 | Ø25 | M22X1 | 1NO1NC/2NO2NC |
| LB25A | S28 | Ø22 | 2.8 | 7 | 0.5 | 15 | 35 | 1.5 | Ø28 | M25X1 | 1NO1NC/2NO2NC |
| LB28A | S31 | Ø22 | 2.8 | 7 | 0.5 | 15 | 35 | 1.5 | Ø31 | M28X1 | 1NO1NC/2NO2NC |
| LB30A | S34 | Ø22 | 2.8 | 7 | 0.5 | 15 | 35 | 1.5 | Ø33 | M30X1 | 1NO1NC/2NO2NC |
| LB40A | S45 | Ø22 | 2.8 | 7 | 0.5 | 15 | 35 | 1.5 | Ø43 | M40X1 | 1NO1NC/2NO2NC |
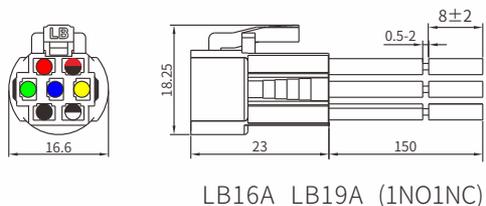
LB16A　LB19A　（1NO1NC）
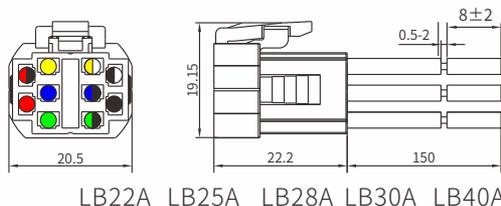
LB22A　LB25A　LB28A　LB30A　LB40A

● 灯脚线　◐ 双色或三色灯脚线　● NC线　● NO线　● C脚进线

使用0.5mm²电线，线长150mm,可定做其他规格线长
Wire Length:150mm、0.5mm²,Customize other Sizes

# LB19A1 Series
## 1NO1NC/2NO2NC
Ith:5A 250VAC
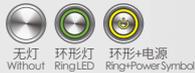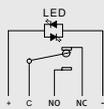
LED
+ C NO NC −

无灯 Without
环形灯 Ring LED
环形+电源 Ring+Power Symbol

红色 Red
绿色 Green
蓝色 Blue
黄色 Yellow
白色 White

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA
常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V.Customizable Other Voltage
常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

| 2500VAC 高绝缘耐压 High-Insulation | <50mΩ 快动高灵敏 Contactsensitive | LED 50000H 长寿命灯珠 Long Life LED | 100万次 机械寿命 Mechanical Life | V2 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | IP65/IK10 防水防爆 Protection Level | RoHS REACH CE TUV CE(TUV) CB(TUV) 专利及认证 Certificate |

可做2常开2常闭
2NO2NC

专用插件,防误碰设计
Connector
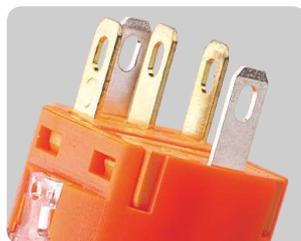
镀金银插脚,银触点
Gold Pins/Silver Contact

IP67
头部防水,高亮LED
Head Waterproof

Ø21.8
Ø15
33.4
M19X1
4.5 4.5
7.1
15.2
0.5
2.8
S22

23
21.6
27
150
0.5-2
7
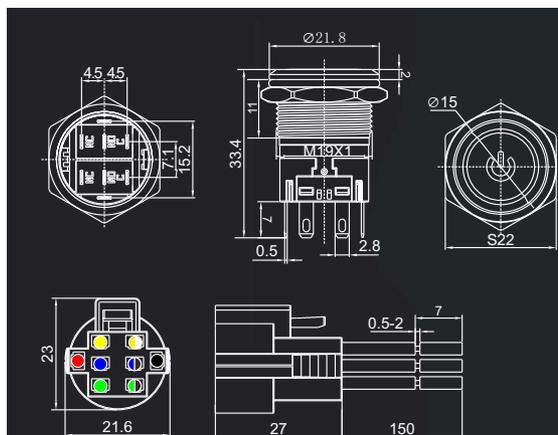
○●灯脚线 ●●NC线 ●●NO线 ●●C脚进线
使用0.5mm²电线,线长150mm,可定做其他规格线长
Wire Length:150mm、0.5mm²,Customize ther Sizes

# LB12B/16E Short 短款

## Short-Length Series

Ith:3A 250VAC

## 1NO

33.3mm

21.3mm

总长:**21.3mm**

**无灯** Without
**环形灯** Ring LED
**电源标** Power Symbol

**红色** Red
**绿色** Green
**蓝色** Blue
**黄色** Yellow
**白色** White

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

头部及外壳可做氧化彩色
Head and shell can be oxidized color

---

| 21.3mm 精致短款 Delicate | RGBY 彩色氧化头部 Oxidized Color | LED 50000H 长寿命灯珠 Long Life LED | 100万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | 定制1500VAC 高绝缘耐压 High-Insulation | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

---

12mm

16mm

小巧精致,可配接插件
Small and Beautiful

自复/自锁-1NO
Momentary/Latching-1NO

氧化彩色头部及外壳
Can be oxidized color

柔和高亮LED,长寿命
Soft and bright Long-Life LED

---

Ø13.8
1.2
1
10
21.3
M12x0.75
4.2
0.5
硅胶防水圈 Silicone sealing Ring
NO
7.6
2
Φ9
S14
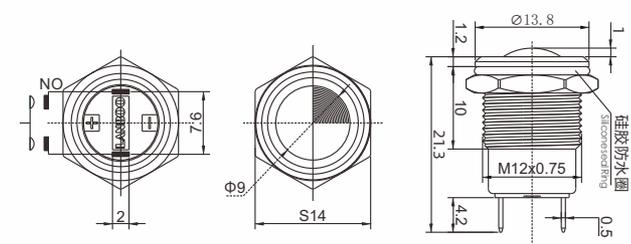
**12B**外形尺寸
Outline Dimension

Ø12.5
15.5
0.5-2
8±2
L
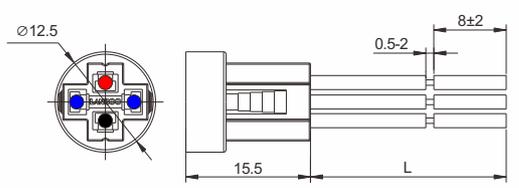
● 0.3mm² （NO）　● ● 0.3mm² （LED±）

使用0.3mm²电线,线长150mm,可定做其他规格线长
Wire Length:150mm 0.3mm²,Customize other Sizes

Φ17.8
1.5
1
10
21.3
M16X1
4.2
0.5
硅胶防水圈 Silicone sealing Ring
NO
7.6
2
Φ9
S19
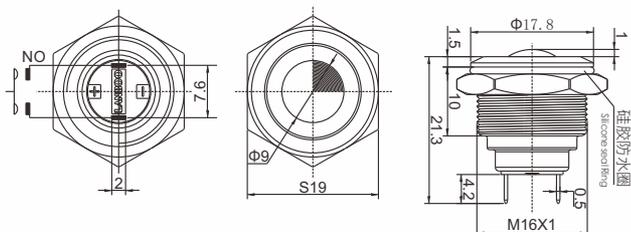
**16E**外形尺寸
Outline Dimension

LED
NO　+　-　NO

触点原理图
Contact
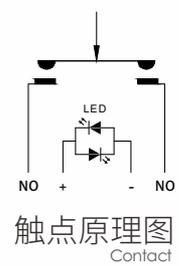
# LB22B/25B NEW 升级款

## 大电流金属按钮开关
### High-Current Button
### Ith:10A 250VAC

## 1NO1NC

大电流微动开关
High Current Micro Switch
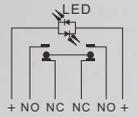
LED
+ NO  NC  NC  NO +

| 10A Ith 大电流开关 High-Current | 2000VAC 高绝缘耐压 High-Insulation | LED 50000H 长寿命灯珠 Long Life LED | 100万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~80°C 环境耐温强 Environment | IP67/IK10 防水防爆 Protection Level | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

可视化窗口,科技感十足
Visual Window

镀金/镀银插脚,导电性好
Silver/Gold Plated Pins

加粗触点,通过电流更大
Big Contact

柔和高亮LED
Soft And High Lighted LED

无灯 Without
环形灯 Ring LED
环形+电源 Power Symbol

红色 Red
绿色 Green
蓝色 Blue
黄色 Yellow
白色 White

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:9-24V 220V,定制其它电压
Normal Voltage:9-24V 220V ,Customizable Other Voltage

常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

硅胶防水圈 Silicone seal Ring
Ø24.8/27.8
Ø18
M22X1
螺母
M25X1
螺母
S25/S28
NC  NO
LED

Ø15
1.5
40.4
8.1
2.8
8.5
6.7
0.5
13.8
6.7

8±2
0.5-2
20.9
17.3
25
L

● 黑 ● 红 灯脚线    ● 黄 NC线    ● 蓝 NO线

NC NO 使用1mm²电线,LED 0.5mm²电线,
线长150mm,可定做其他规格线长

Wire Length:150mm、NC NO :1mm² wire,
LED:0.5mm² wire,Customize other Sizes

# LB19/22CM TOUCH

## 1N0大电流双色触摸开关
### 1N0 High-Current Bi-color Touch Switch

**Ith:5A 250VAC**

# IP68

TEKALL
触摸芯片
LED

+  C  NO  -

环形灯
Ring LED
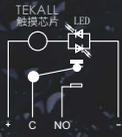
环形+电源
Ring+Power Symbol

通电蓝色发光/触摸红色发光
Power on-Blue;Touch Button-Red

LED长寿命 | 双色指示 | 灯光柔和
LED High Durability | Bi-Color | Lightsoft

输入电压:DC12V DC24V
Input Voltage

| 5A Ith 大电流开关 High-Current | RB 红蓝双色指示 Bi-Color | LED 50000H 长寿命灯珠 Long Life LED | 10万次 机械寿命 Mechanical Life | V2 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | IP68/IK10 防水防爆 Protection Level | CCC RoHS REACH 专利及认证 Certificate |

专用插件,卡扣设计
Connector
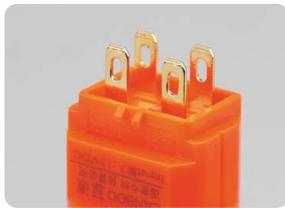
1NO 镀金插脚
1NO Gold-Plated Pins

4芯护套线
4 Core Sheath Wire

氧化黑/不锈钢
Oxidation Black/Stainless Steel

Ø 14.6
S22/S25

S22/25
0.6
14
37.8
5.3
2.8

国家专利防仿冒必究
Input输入:12VDC

Black wire
黑色线
Blue wire
蓝色线

5.2

Red wire
红色线
Blue wire
蓝色线

7

0.5mm²

16.7
23.7
300
7-10mm
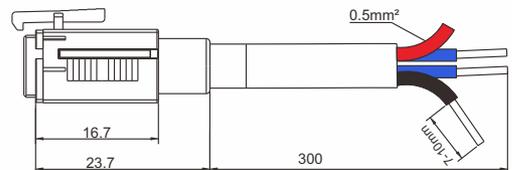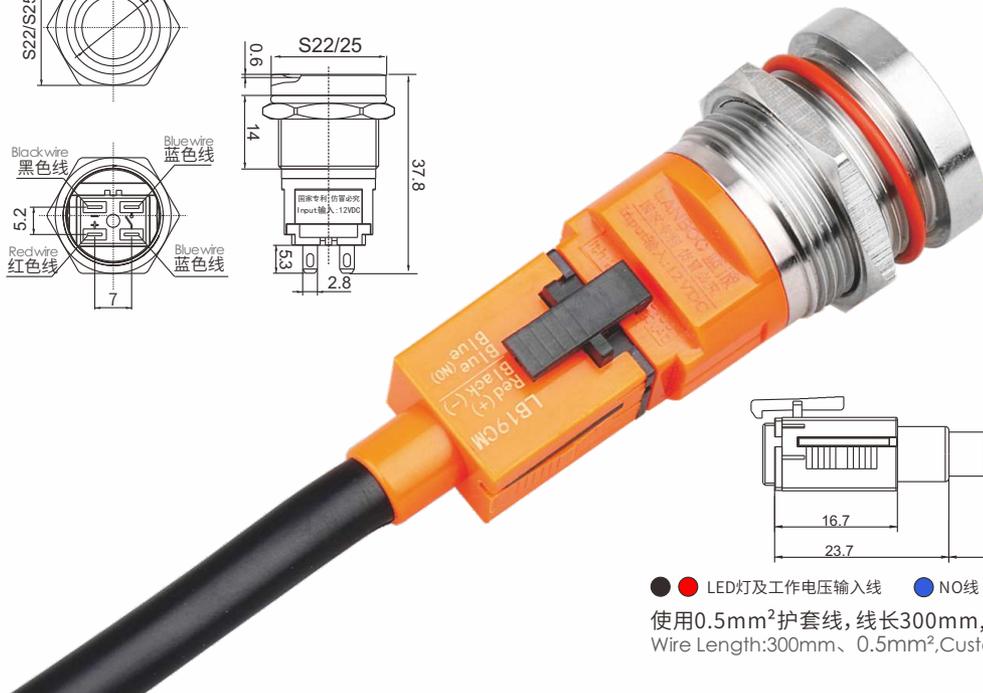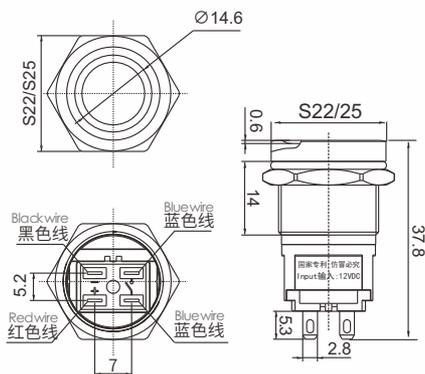
⚫ 🔴 LED灯及工作电压输入线
🔵 NO线(通电默认断开,触摸后导通,无源信号)

使用0.5mm²护套线,线长300mm,可定做其他规格线长
Wire Length:300mm、0.5mm²,Customize other Sizes

# LB12-22QC

插脚款 Pins
带线款 With wire

## Ultra-thin Tact Metal Buttons
### 超薄款轻触金属开关

Ith:0.5A 250VAC

## 1NO

NO — NO
LED
+ —

| 无灯 Without | 环形灯 Ring LED | 环形+电源 Power Symbol |
|---|---|---|

| 红色 Red | 绿色 Green | 蓝色 Blue | 黄色 Yellow | 白色 White |
|---|---|---|---|---|

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

| 引脚款15mm 超短款 Short | IP65/IK08 防水防爆 Protection Level | LED 50000H 长寿命灯珠 Long Life LED | 10万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | 轻触 按压手感好 Convenient press | CCC RoHS REACH CE UL 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

| 带线款底部灌胶 Glue filling | 不锈钢外壳 Stainless Steel Shell | 柔和高亮LED,寿命达50000小时 Momentary With LED | 头部防水IP65/带线款IP67 Head waterproof IP65/With wire IP67 |
|---|---|---|---|
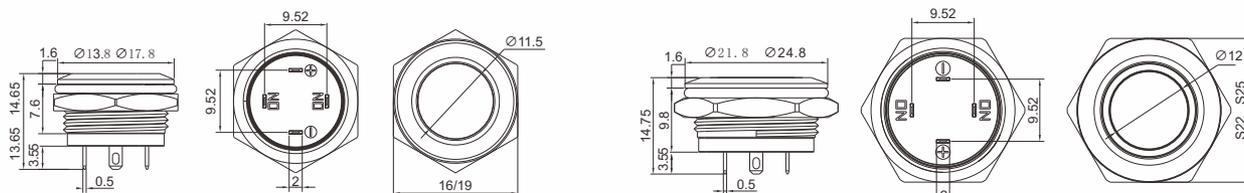
LB12/16QC(注:12QC为蕾丝螺母)

LB19QC  LB22QC

LB12QC带线款
M12X0.75
9.8±1
14±1
150±10
3±1
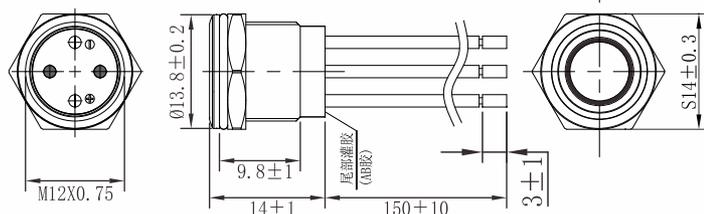
为了提升手感、按压行程、按压声音......
工程师为了寻找这颗满意的轻触开关,寻找多家优秀轻触开关厂家还进行无数次的测试。
优点:
1.独立轻触开关,PCB焊接式,性能更稳定。
2.行程略长,按压手感更好,有明显按压手感回馈。
3.声音清脆,有微动开关的感觉。
4.接触电阻降低,符合国家标准。

4颗无极长寿命LED灯珠
采用进口LED无极芯片,采用全自动贴片机焊接。
优点:
1.无极LED,不分正负极,接线方便省事。
2.进口LED芯片,亮度高,寿命长,色温一致性高。
3.4颗LED,整体发光更均匀。
4.拥有全自动贴片机,焊点更美观牢固,无虚焊。

新款 YULIAN New

市场款导通部件
胶布粘合固定的不锈钢锅仔片,有胶带老化导致脱落,贴歪偏心导致接触不良等......
缺点:
1.胶布粘合,容易老化导致脱落、移位...。
2.按了没按一样,无明显手感反馈,手感无。
3.电阻大或位置不准造成失灵风险。

2颗分正负极的小灯珠
接线需分辨正负极,手工焊接....
缺点:
1.接线需找正负极,正负容易接反,浪费时间。
2.两颗微型灯珠,发光扩散不良等。
3.手工焊锡,容易粘连、虚焊,可靠性差。
4............

同行款 Peer products

# LB19A(2L)

## 金属按钮开关
### Metal push-button switch

**Ith:5A 250VAC**

## 1NO1NC

红色 Red　绿色 Green　蓝色 Blue　黄色 Yellow　白色 white

常规电压：3-6V/9-24V/220V,定制其它电压
Normal Voltage:3-6V/9-24V/220V,Customizable Other Voltage
常规颜色:红色、绿色、蓝色;定制:黄色、白色、双色(无极)、三色(无极)
Normal Color:Red/Green/Blue;Customizable:Yellow/White/Two-color (infinite)/three-color (infinite)

| 5A Ith 5A开关 5A current | 1500VAC/2000VAC 高绝缘耐压 High-Insulation | LED 40000H 长寿命灯珠 Long Life LED | 自锁30万次/自复100万次 机械寿命 Mechanical Life | V0 耐温阻燃 V0 flame retardant | -40~80°C 环境耐温强 Environment | IP65/IK10 防水防爆 Waterproof/explosion-proof |

不锈钢按键,坚硬耐磨
Stainless steel key

铜镀镍外壳,抗压耐用
Copper-nickel plated housing
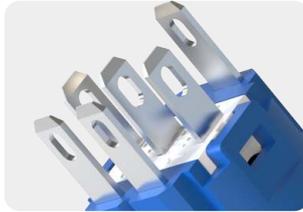
镀银插脚,导电性能好
Silver-plated pins

长寿命LED
Long life LED
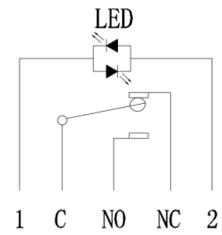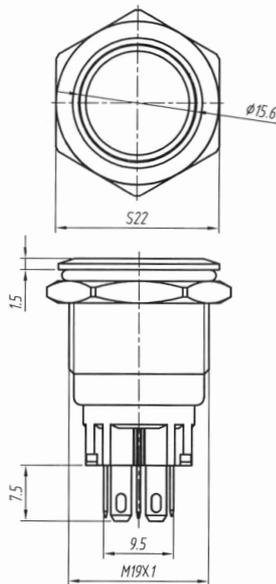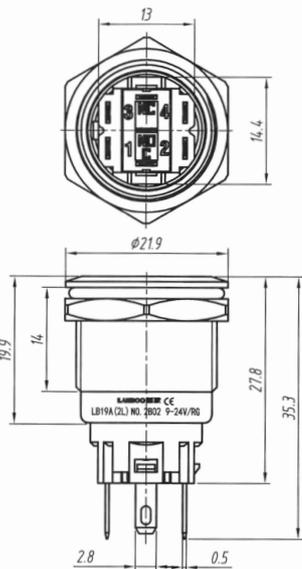
单色原理图
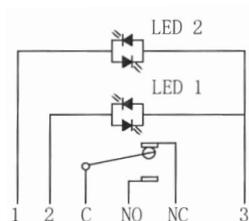
双色双LED原理图

# LB16NZ Toggle Switch 钮子开关
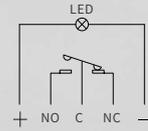
## Ith:20A/250VAC
## 1NO1NC

2档原理图
Schematic diagram of 2 gear

**2档**
2 gear

LED

+ NO C NC

NO (NC) — 24° = NC(NO)

3档原理图
Schematic diagram of 3 gear

**3档**
3 gear

LED

+ NO(NC) C NC(NO)

NO (NC) — 12° O 12° = NC(NO)

环形灯
Ring LED

红色 Red
绿色 Green
蓝色 Blue
黄色 Yellow
白色 White

低功耗LED：≤20mA
Low Power Consumption LED:≤20mA

常规电压：5-24V 220V，定制其它电压
Normal Voltage:5-24V 220V ,Customizable Other Voltage

常规颜色：红色、绿色；定制：黄色、白色、蓝色
Normal Color:Red/Green;Customizable:Yellow/White/Blue

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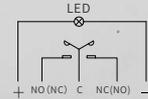
**20A**
Ith:20A
大电流开关
High-Current

大手柄
档位清晰
Big Handle

**LED**
50000H
长寿命灯珠
Long Life LED

50万次
机械寿命
Mechanical Life

V0
耐温阻燃
Antif Laming

-40~80℃
耐温性能强
Environment

CCC RoHS REACH CE
专利及认证
Certificate

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大手柄,头部CD纹设计
Bighandle,Easy Operation

可配专用插件
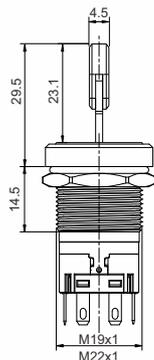Connector

银触点,加粗银插脚
Big Silver Pins

带灯指示
LED

---

12° 12°

36.4
24
8.1

LED:R
5-24V

0.8
2.8

M16×1

**2档**
2 gear

12° 12°

Φ18.8

36.4
24
8.1

LED:R
5-24V

0.8
2.8

M16×1

**3档**
3 gear

0.5
4.8

11
10

18
8.06
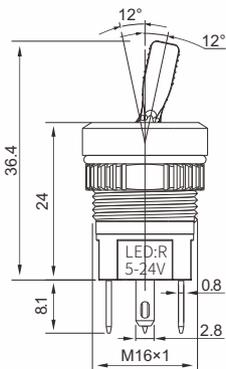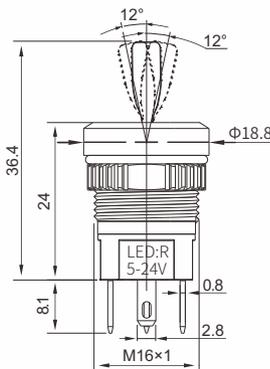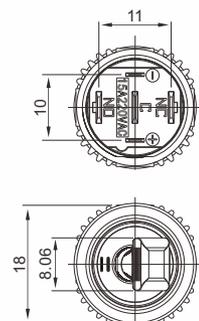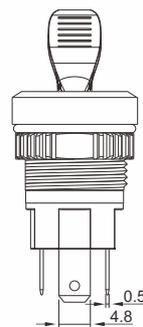
# LB16NZ2
## Toggle Switch 钮子开关
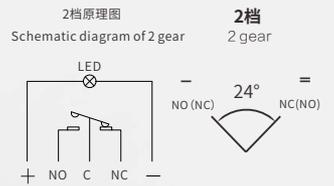
**Ith:20A/250VAC**

**1NO1NC**

2档原理图
Schematic diagram of 2 gear

**2档** 2 gear

LED
NO(NC) — NC(NO)
24°
+ NO C NC —

3档原理图
Schematic diagram of 3 gear

**3档** 3 gear

LED
NO(NC) O NC(NO)
12° 12°
+ NO(NC) C NC(NO) —

环形灯
Ring LED

红色 Red | 绿色 Green | 蓝色 Blue | 黄色 Yellow | 白色 White

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage: 5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色;定制:黄色、白色、蓝色
Normal Color: Red/Green;Customizable:Yellow/White/Blue

2档 2 gear

3档 3 gear

---

| **20A** Ith:20A 大电流开关 High-Current | 镀铜镍手柄 稳定耐用 Copper nickel plating | **LED** 50000H 长寿命灯珠 Long Life LED | 50万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~80℃ 耐温性能强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|

铜镀镍手柄
Copper nickel plating

V0级阻燃底座
Flame retardant base

镀金/镀银引脚
Pin

带灯指示
LED

---

"−" LED black line   "–"LED黑线
C Pin **green** line   C脚绿线
NO P**in blue** line   NO脚蓝线

Φ17.4

NC Pin yellow line
NC脚黄线

"+"LED红线
"+" LED red line

24°

16.1

9.1

24

7.9

LED:R
5-24V

0.8

2.8

M16×1

**2档** 2 gear

12°
12°

16.4

9.1

24

7.9

Φ18.8

LED:R
5-24V

0.8

2.8

M16×1

**3档** 3 gear

5

7

4.8

0.5

11

10

18

17.9

27

0.5-2

8±2

L=150
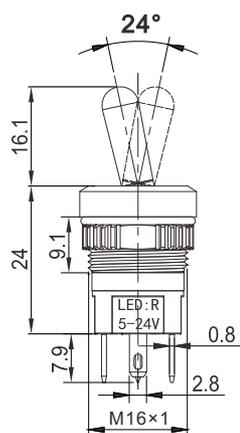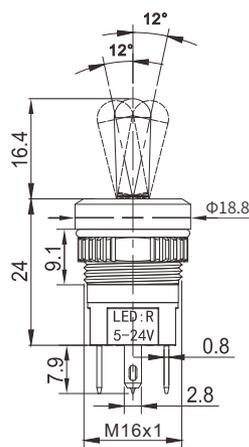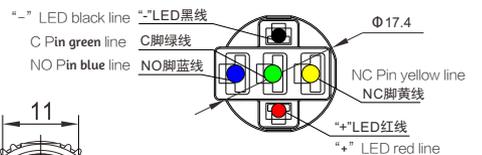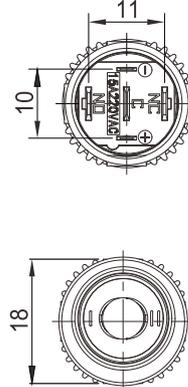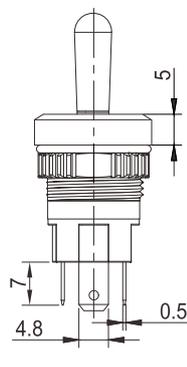
● ● 灯脚线   ○ NC线   ○ NO线   ○ C脚进线
● ● 0.5mm²,   ○ ○ ● 1.5mm²,
线长150mm,可定做其他规格线长
Wire Length:150mm,Customize other Sizes

# LB12NZ Toggle Switch 钮子开关

**Ith:25A**

11.2

Ø12.2
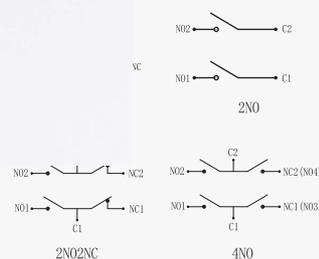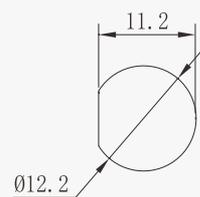
手柄颜色可定制:红色、绿色、黑色
The handle color can be customized: red, green, black

N02 ——○ ○—— C2
NC
N01 ——○ ○—— C1
**2NO**

N02 ——○╱○—— NC2        C2
                         N02 ——○  ○—— NC2 (N04)
N01 ——○╱○—— NC1
     C1                  N01 ——○  ○—— NC1 (N03)
                              C1
**2NO2NC**              **4NO**

| | | | | | | |
|---|---|---|---|---|---|---|
| **25A** Ith:25A 大电流开关 High-Current | 铜镀铬手柄 稳定耐用 Copper chrome | 银氧化锡触点 稳定性好 AgSnO2 | 15万次 机械寿命 Mechanical Life | 底座V0 耐温阻燃 Antif Laming | -40~85℃ 耐温性能强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |

24.6

NO   C   NO
9
NO   C   NO

24.6

NO  NC  C  NO

20
(17.74)
Φ14
39.6
29.5
M12X1
螺纹长度7.5mm
8.6
0.8
6
19
30
19
**12NZ1**

20
(17.45)
Φ14
37.1
27
M12X1
螺纹长度7.5mm
8.6
0.8
6
10
30
15
15
**12NZ2**
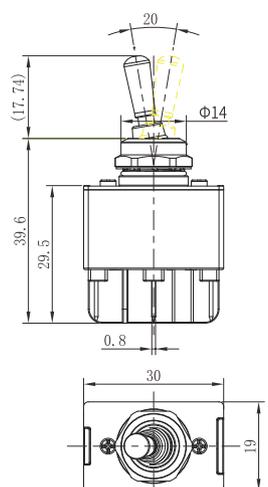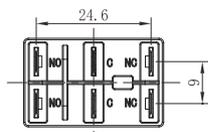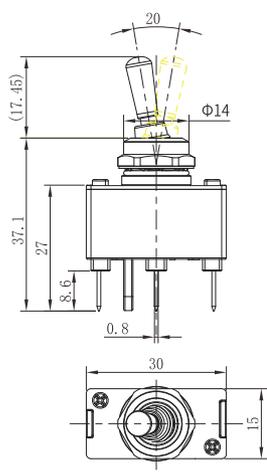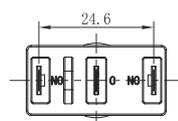
10
10
**3档柄部**

# LB19/22X5 Knob 旋钮

新款带灯 1NO1NC/2NO2NC

Ith:5A 250VAC

## IP65

LED

L 60° R   L 50° C 50° R

2档
2 gear

3档
3 gear

D型限位槽安装
D Locating Slot

红色 Red　绿色 Green　蓝色 Blue　黄色 Yellow　白色 White

低功耗 LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色;定制:蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow/White

| 大旋柄 手感更好 Big handle | LED 50000H 长寿命灯珠 Long Life LED | 25万次 机械寿命 Mechanical Life | 镀金/银插脚 Gold Plated/Silver Pins | V2 耐温阻燃 Antif Laming | -40~80°C 耐温性能强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|

带灯,大旋柄
LED,Big Handle

专用插件,防误碰设计
Connector

镀金银插脚,银触点
Gold Plated Pins/Silver Contact

头部防水,高亮LED
IP65,With LED
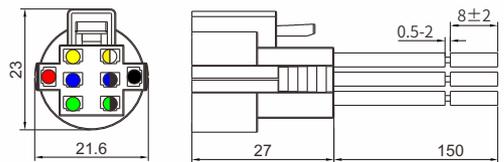
S22  S25
4.5 4.5
3.55
Ø21
15.2
4
9.9
14.9
14.5
50
Ø25
Ø23.8
M22X1 M19x1
23
21.6
27
150
0.5-2
8±2

19mm  22mm

●● 灯脚线　○○ NC线　●● NO线　●● C脚进线

使用0.5mm²电线,线长150mm,可定做其他规格线长
Wire Length:150mm、0.5mm²,Customize other Sizes

# LB19/22Y5 钥匙钮
## KeySwitch

新款带灯 **1NO1NC/2NO2NC**

**Ith:5A 250VAC**

## 定制IP65 Customization IP65

LED

| L 60° R | L 50° C 50° R |
|---|---|
| 2档 | 3档 |
| 2 gear | 3 gear |

+ C NO NC -

D型限位槽安装
D Locating slot

| 红色 | 绿色 | 蓝色 | 黄色 | 白色 |
|---|---|---|---|---|
| Red | Green | Blue | Yellow | White |

低功耗LED：≤20mA
Low Power Consumption LED：≤20mA

常规电压：5-24V 220V，定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage
常规颜色：红色、绿色；定制：蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow/White

| 迷你柄 方便操作 MiNi Handle | 50000H 长寿命灯珠 Long Life LED | 20万次 机械寿命 Mechanical Life | 镀金/银插脚 Gold Plated/Silver Pins | V2 耐温阻燃 Antif Laming | -40~80℃ 耐温性能强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|

皮革纹路手柄,手感好
Feel Good

可配专用插件
Connector

镀金银插脚,银触点
Gold Plated Pins/Silver Contact

带灯指示
LED

使用0.5mm²电线,线长150mm,可定做其他规格线长
Wire Length:150mm、0.5mm²,Customize other Sizes
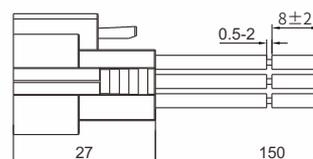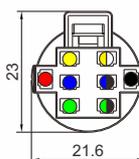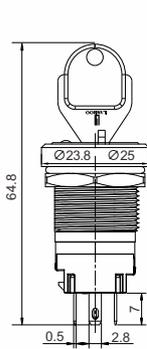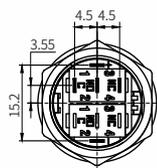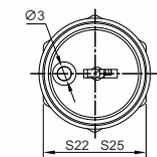
| ● ● 灯脚线 Lamp base wire | ● ● NC线 NC Line | ● ● NO线 NO Line | ● ● C脚进线 C Pin Incoming line |
|---|---|---|---|

Ø3 · S22 S25 · 4.5 4.5 · 3.55 · 15.2 · 4.5 · Ø23.8 Ø25 · 64.8 · 0.5 2.8 · M19x1 M22x1 · 29.5 23.1 14.5 4.5 · 23 21.6 27 150 0.5-2 8±2

# LB12E-M/M4/M5.4 Series

## 防水带灯系列急停钮
Emergency Stop button with LED

**12/16/19/22mm**
Ith:5A 250VAC

12E-M
(IP65)
Ith:10A 250VAC

22M5.4
(IP65)

19M5.4
(IP65)

22M4
(IP65)

LED2 / LED1 / LED
3 1 C NO NC 2
双色单LED原理图

1 C NO NC 2
单色原理图
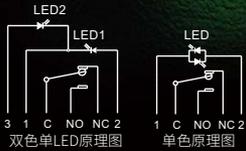
M4可做双色, 比如通电绿色, 按下红色
M4 Power on-Green LED,Push down button-Red LED

**M5系列可达IP67, M4可定制IP65**
M5 Series IP67,M4 can be customized IP65

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色;定制:蓝色、黄色、白色、M4红绿双色
Normal Color:Red/Green;Customizable:Blue/Yellow/White/M4 Red-Green Bi-color

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **RG** M4可做双色 M4 Bi-Color | **2500VAC** M5绝缘耐压 High-Insulation | **LED 50000H** 长寿命灯珠 Long Life LED | **25万次** 机械寿命 Mechanical Life | **V2** 耐温阻燃 Antif Laming | **-40~80°C** 环境耐温强 Environment | **IP65/IK10** M5防水防爆 Protection Level | **CCC RoHS REACH CE** 专利及认证 Certificate |

红绿双色指示、防滑边缘
Red-Green Bi-color

M5.1 M5.4 款
D型限位槽设计
"D" Locating Slot

1NO 1NC    2NO 2NC
镀金插脚, 银触点
Gold Plated Pins/Silver Contact
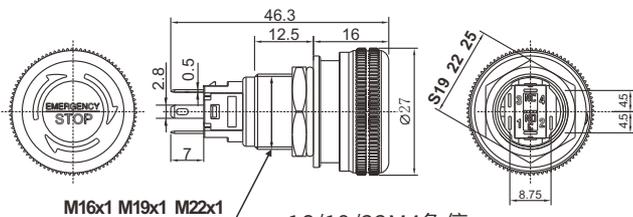
专用接插件
Connector

### 16/19/22M4急停
16/19/22M4 Stop Button

46.3
12.5  16
2.8  0.5
Ø27
S19 22 25
4.5 4.5
7
8.75
M16x1 M19x1 M22x1

### 19M5.4  22M5.4急停
19M5.4  22M5.4 Stop Button

52.45
16.65  17.5
0.5  7
M22X1 / M19X1
28
Φ27
4.5 4.5
21.45
181.5
7.1
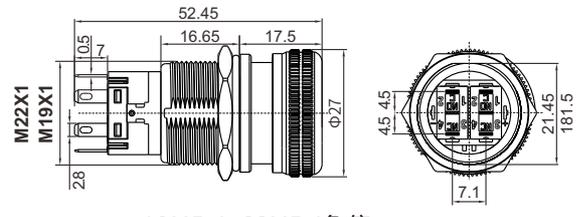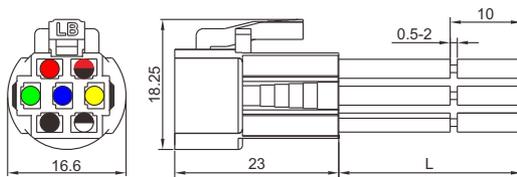
### 16M4 16A-M11专用接插件 Connector
LB
18.25
16.6
0.5-2  10
23  L

### M5.1 M5.2 M5.4专用接插件 Connector
23
21.6
0.5-2  7
27  150

### 12E-M蘑菇头按钮
12E-M Emergency stop button
32.5±0.5
9.5  8.7±0.2
0.5
M12X0.75
8.1
Φ20.5±0.2

NO — NO
12E-M无灯原理图

LED
NO +  - NO
12E-M带灯原理图

● 灯脚线   ◐ 双色灯脚线   ● NC线   ● NO线   ● C脚进线

使用0.5mm²电线,线长150mm,可定做其他规格线长
Wire Length:150mm 0.5mm²,Customize other Sizes

# 急停系列
## STOP Series
## 16 / 19 / 22m





铝氧化加大头部, 手感好
**Aluminum Oxide Red**

D型限位槽设计
**"D" Locating Slot**

1NO 1NC  2NO 2NC

镀金插脚, 银触点
**Gold Plated Pins/Silver Contact**

专用接插件
**Connector**

Ø40
超大头部

EMERGENCY STOP

M5.1

M5.2

M3

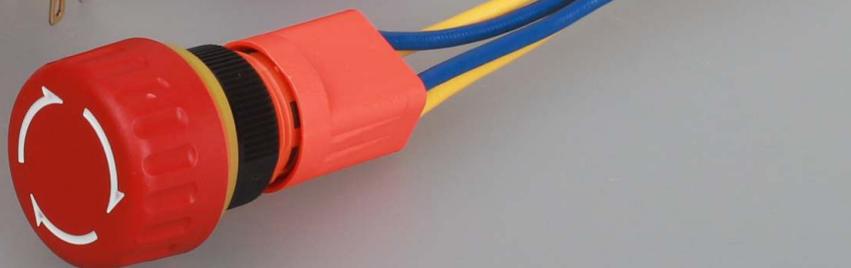19M6

22M6

# 塑料急停系列
## SM Series
# 16mm
## IP65

16SM2

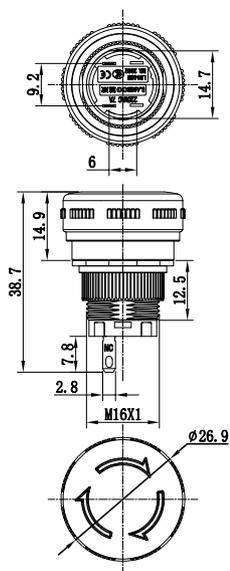16SM

16SM3（抗UV）
(UV resistance)

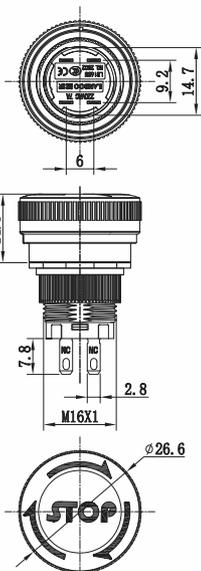防滑头部设计
Head anti slip design

V0级阻燃外壳
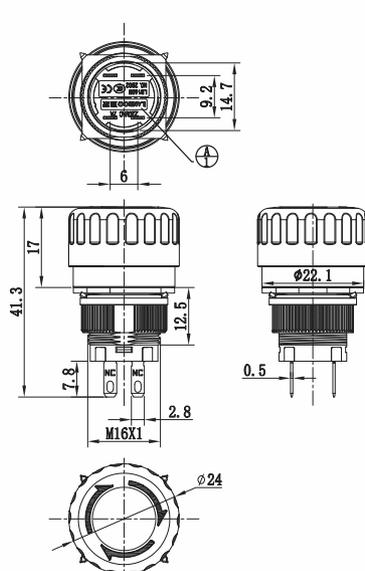V0 flame-retardant shell

镀金插脚，银触点
Gold Plated Pins/Silver Contact
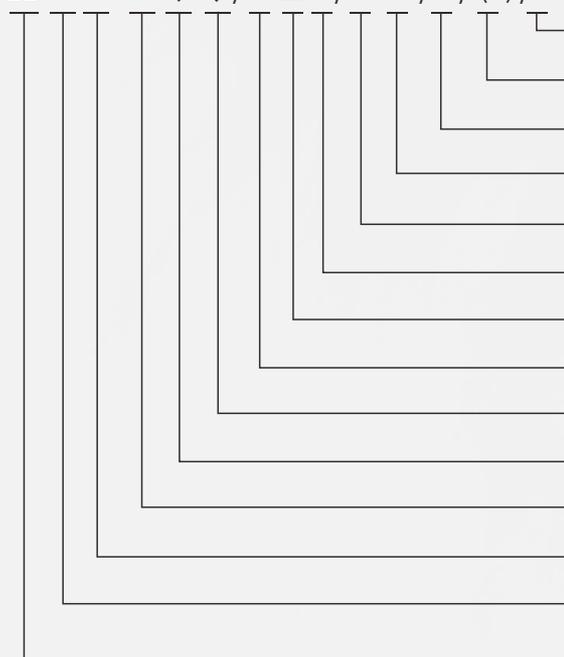
专用接插件
Connector

16SM

16SM2

16SM3

# 高防水带线系列
## High waterproof series

## 高防水带线系列命名规则
Naming convention for high waterproof belt line series

LB Ø ■-★ ◆ ◇/⊙ ▲ ▼/◎ ●➞/○ (L)/※

其它备注：定制符号、防水要求、特殊颜色要求等
Other remarks: customized symbols, waterproof requirements, special color requirements, etc

(L):内部代码
(L) : Internal code

接头名称：M12—4P（公插），M12—6P（公插），M12—8P（公插），无-剥线
Connector name: M12-4P (male), M12-6P (male), M12-8P (male), no stripping wire

线　　长：150—默认150mm（可定制其它线长）
Line length: 150- default 150mm (other line lengths can be customized)

外壳材质：S-不锈钢，可定制：N—镀铜铬、 A—铝氧化
Shell material: S-stainless steel, customizable: N-copper plated chromium, A-aluminum oxide

LED电压：5-24V 220V，定制：25-48V、110V、AC/DC 通用
LED voltage: 5-24V 220V, customized: 25-48V, 110V, AC/DC universal

发光颜色：R-红色 G-绿色 B-蓝色 定制：Y-黄色 W-白色、三色
Luminous color: R-red G-green B-blue Customization: Y-yellow W-white, three colors

发光形状：E-环形 钥匙与旋钮不写此代码
Luminous shape: E-ring, E+XD - ring+dot, knob and key knob do not write this code

动作形式：F-自复式(点动式) Z-自锁式(保持式)
Action form: F-self resetting (inching) Z-self locking (holding)

开关组合：10-1NO 20-2NO
Switch combination: 10-1NO 20-2NO

头部形状：P-平头 Y-钥匙钮 X-旋钮 G-高头 E+DY 环形+电源标
Head shape: P-Flat head，Y-Key，X-Knob, G-High head, E+DY-Ring+Power Label

系列号：F—带防水系列 Y1-钥匙钮 X1-旋钮
Serial number: F-With waterproof series, Y1-Key, X1-Knob

安装直径：16/19/22mm
Installation diameter: 16/19/22mm

代号
YULIAN Code

# LB16F-19F

带线防水金属按钮开关
Metal Button Switch

平头/高头/环形+电源标
Flat head/High head/Ring+Power Label

Ith:7A 250VAC

外壳材质:不锈钢、铜镀铬,可定制铝氧化、不锈钢镀钛
Material: stainless steel/Copper chrome plating;
Customizable: Aluminum oxidation/Stainless steel titanium plating
常规电压:5-24V 220V,定制其它电压
Normal Voltage: 5-24V 220V,Customizable Other Voltage
常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color: Red/Green/Blue;Customizable:Yellow/White

| A<br>Ith:7A<br>大电流开关<br>High-Current | 1500VAC<br>高绝缘耐压<br>High-Insulation | Metal<br>不锈钢外壳<br>stainless steel | LED<br>50000H<br>长寿命灯珠<br>Long Life LED | 30万次<br>机械寿命<br>Mechanical Life | IP68/IK10<br>防水防爆<br>Protection Level | -40~80℃<br>环境耐温强<br>Environment | CCC RoHS CE REACH<br>专利及认证<br>Certificate |
|---|---|---|---|---|---|---|---|

不锈钢外壳,坚固耐用
stainless stee

镀金/银引脚
Silver tin oxide

线性环形发光
stainless stee

防水等级IP68
Waterproof grade IP68

Φ17.8/Φ20.8

13.8

M16X1
M19x1

2.5

26.4

4.5

8-1

Φ12.5

S18/S21

7.9

7.9

10.4 10.4

6.LED Pin black
6.LED脚黑色

5.NO Pin white
5.NO脚白色

4.NO脚绿色
4.NO Pin green

1.LED Pin red
1.LED脚红色

2.NO Pin yellow
2.NO脚黄色

3.NO Pin brown
3.NO脚棕色

6线单色脚位

7.LED Pin orange
7.LED脚橙色

6.LED Pin black
6.LED脚黑色

5.NO1 Pin white
5.NO1脚白色

4.NO1脚绿色
4.NO1 Pin green

1.LED Pin red
1.LED脚红色

2.NO2 Pin yellow
2.NO2脚黄色

3.NO2 Pin brown
3.NO2脚棕色

8.LED脚蓝色
8.LED Pin blue
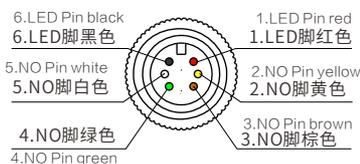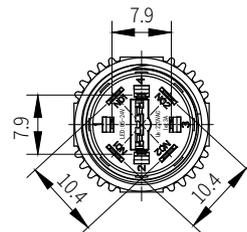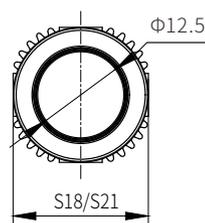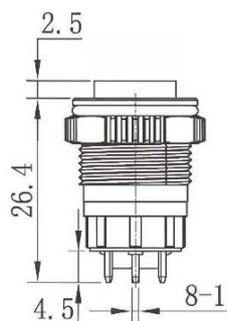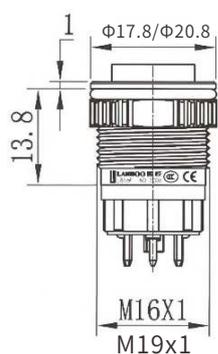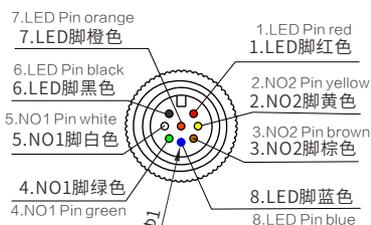
8线三色脚位

型号16F/19F/16X1/19X1/16Y1/19Y1通用

Φ15 M12X1

45

135

Φ6

30.9

12.8

M16X1

Φ1

# LB16X1-19X1 旋钮 Knob

Ith:7A 250VAC
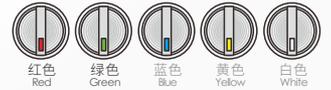


| 红色 Red | 绿色 Green | 蓝色 Blue | 黄色 Yellow | 白色 White |

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA
常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage
常规颜色:红色、绿色;定制:蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow/White

| 大旋柄<br>手感更好<br>Big handle | LED<br>50000H<br>长寿命灯珠<br>Long Life LED | 二档:10万次<br>机械寿命<br>Mechanical Life | 镀金/银插脚<br>Gold Plated/Silver Pins | V2<br>耐温阻燃<br>Antif Laming | -40~80℃<br>耐温性能强<br>Environment | CCC RoHS REACH CE<br>专利及认证<br>Certificate |



带灯,大旋柄
LED,Big Handle

镀金/银引脚
Gold Plated Pins/Silver Contact

不锈钢外壳,坚固耐用
stainless stee

高亮LED经久耐用
Long Life LED
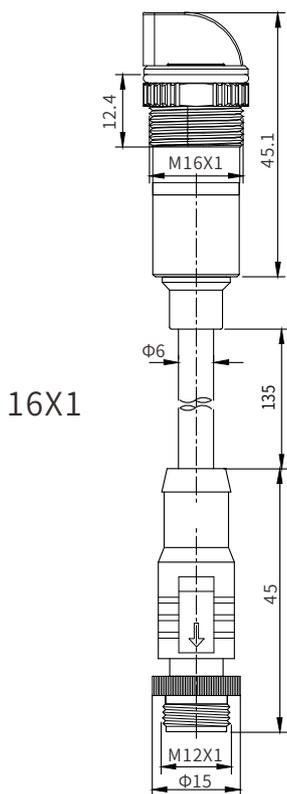
16X1
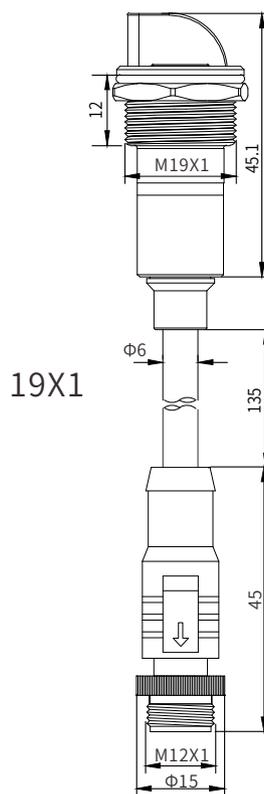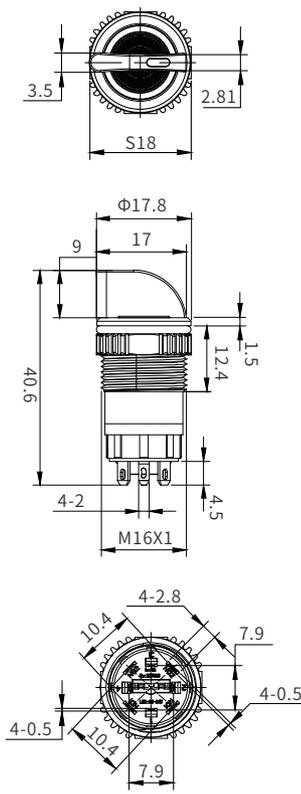


19X1
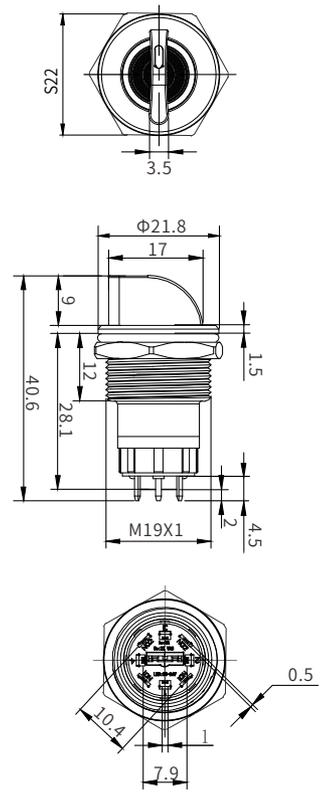
# LB16Y1-19Y1 钥匙钮

Key Switch

Ith:5A 250VAC



红色 Red　绿色 Green　蓝色 Blue　黄色 Yellow　白色 White

低功耗LED:≤20mA
Low Power Consumption LED:<20mA

常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色;定制:蓝色、黄色、白色
Normal Color:Red/Green;Customizable:Blue/Yellow/White

配套钥匙
Key

| 大手柄 方便操作 Big Handle | LED 50000H 长寿命灯珠 Long Life LED | 二档:10万次 机械寿命 Mechanical Life | 镀金/银插脚 Gold Plated/Silver Pins | V2 耐温阻燃 Antif Laming | -40~80℃ 耐温性能强 Environment | CCC RoHS REACH CE 专利及认证 Certificate |

大手柄 方便操作
Big Handle

不锈钢外壳
Stainless stee

镀金/银引脚
Silver tin oxide

环形指示灯
LED
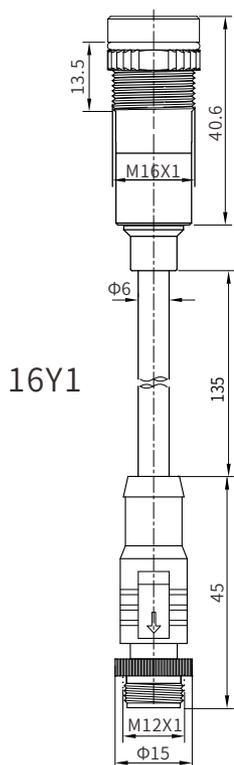
16Y1
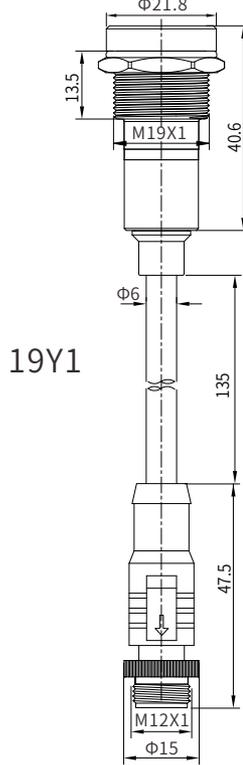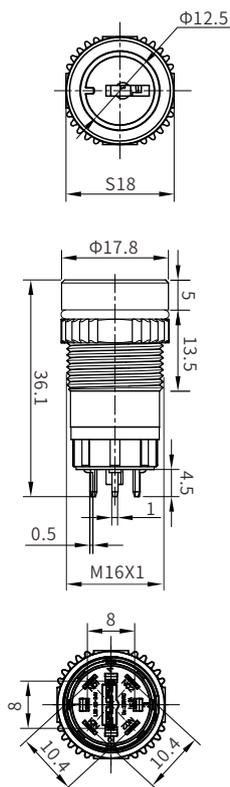
19Y1
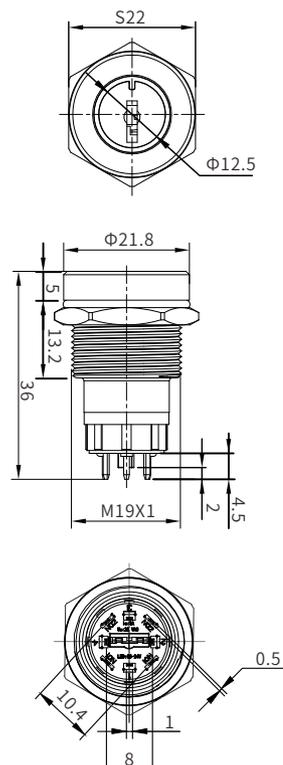
# LB22F

平头（带防水）金属按钮开关
Metal Button Switch

Ith:10A 250VAC

外壳材质：不锈钢，可定制铝氧化、铜镀铬
Material: stainless steel;
Customizable: Aluminum oxidation/Copper chrome plating
常规电压：5-24V 220V，定制其它电压
Normal Voltage: 5-24V 220V,Customizable Other Voltage
常规颜色：红色、绿色、蓝色；定制：黄色、白色
Normal Color: Red/Green/Blue;Customizable:Yellow/White

| A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ith:10A 大电流开关 High-Current | 2500VAC 高绝缘耐压 High-Insulation | Metal 不锈钢外壳 stainless steel | 50000H 长寿命灯珠 Long Life LED | 30万次 机械寿命 Mechanical Life | IP68/IK10 防水防爆 Protection Level | -40~80℃ 环境耐温强 Environment | CCC RoHS CE REACH 专利及认证 Certificate |

不锈钢外壳，坚固耐用
stainless stee

高亮LED，经久耐用
Long Life LED

不锈钢按键
stainless stee

防水等级IP68
Waterproof grade IP67

M12-4P(公插)
LBM12-4P150/
10/3/G06

M12×1
15

45

Φ6

135

M22×1
2

15

32

Φ15

S30

4.LED Pin blue
4.LED脚蓝色

Φ1

1.LED Pin red
1.LED脚红色

3.NO脚绿色
3.NO Pin green

2.NO脚黄色
3.NO Pin brown

带灯
LED

Φ1

3.NO脚绿色
3.NO Pin green

2.NO脚黄色
2.NO Pin yellow

无灯
No LED
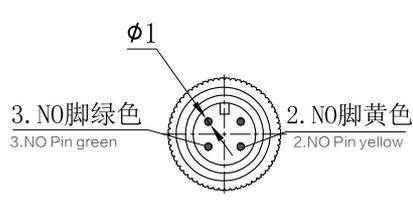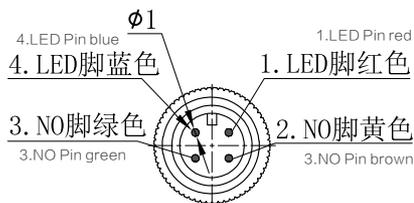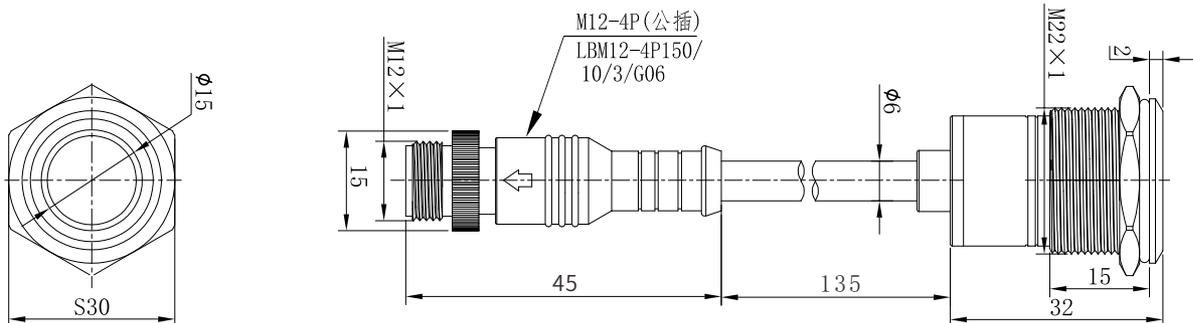
# LB6-25Z 信号灯
## Indicator Light
## IP68

红色 Red　蓝色 Blue　绿色 Green　黄色 Yellow

红色 Red　蓝色 Blue　绿色 Green　黄色 Yellow

6-12mm:IP40/其中10/12mm可做双色9-24V 220V
6-12mm :IP40,10/12mm Bi-color/9-24V 220V

16-25mm:IP68/螺丝脚款可做双色三色/5-24V 220V
16-25mm : IP68/Screw pins Bi-color ,Tri-color/5-24V 220V

16-25Z带线灌胶款全身防水IP68
16-25Z with wire can be used for glue filling.Full body waterproof IP68

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| RGB | 灯光高亮 | LED | <20mA | V0 | -40~80℃ | IP68/IK10 | CCC RoHS REACH CE |
|---|---|---|---|---|---|---|---|
| 可做双色三色 | 大发光面 | 50000H | 低功耗 | 耐温阻燃 | 环境耐温强 | 防水防爆 | 专利及认证 |
| Bi-Color Tri-Color | Whole Facelight | 长寿命灯珠 Long Life LED | Low -Power | Antif Laming | Environment | Protection Level | Certificate |

---

10mm　12mm　8mm　6mm

6-12mm亚光面发光
Matte Surface

22mm　19mm　16mm

16-25mm亮面大发光面
Bright Glowing

16-25mm螺丝脚款可做双色三色
Screw Pins/Bi-Color/Tri-Color

16-25Z带线款灌胶，全身防水IP68
16-25Z with wire used for glue filling.
Full body waterproof IP68

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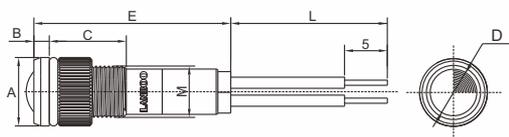
6~12mm　0.15mm² 铜芯线
Copper core wire
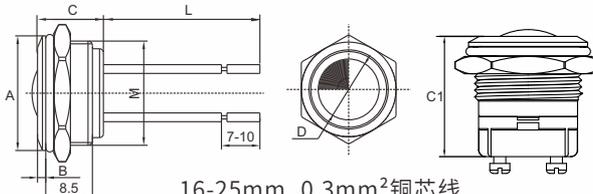
16-25mm　0.3mm² 铜芯线
Copper core wire

| 直径 Diameter | A | B | C | D | E | L |
|---|---|---|---|---|---|---|
| 6mm | Ø8 | 1.8 | 9 | Ø5.5 | 23 | 150 |
| 8mm | Ø10 | 1.8 | 10 | Ø5.5 | 23.6 | 150 |
| 10mm | Ø12 | 1.8 | 11 | Ø8 | 23.6 | 150 |
| 12mm | Ø14 | 1.8 | 11 | Ø8 | 23.6 | 150 |

| 直径 Diameter | A | B | C | C1 | D | L |
|---|---|---|---|---|---|---|
| 16mm | Ø17.8 | 1.5 | 12 | 18 | Ø11.5 | 150 |
| 19mm | Ø20.9 | 1.5 | 12 | 18 | Ø11.5 | 150 |
| 22mm | Ø24.8 | 2 | 13 | 18 | Ø18 | 150 |
| 25mm | Ø27.9 | 2 | 13 | 18 | Ø18 | 150 |

# LB8A 高亮信号灯
## Highlight Indicator Light
# IP68

72°聚光

红色 Red　绿色 Green　黄色 Yellow　蓝色 Blue

低功耗LED:≤20mA
Low Power Consumption LED
常规电压:5-24V 220V,定制其它电压
Normal Voltage:5-24V 220V, Customizable Other Voltage

| 灯光高亮大发光面 Whole Face Light | 72°C 透镜聚光 Optical lens Spotlight | LED 50000H 长寿命灯珠 Long Life LED | ＜20mA 低功耗 Low power Consumption | V2 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | IP68/IK10 防水防爆 Protection Level | CCC RoHS REACH CE 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

小巧精致
Delicate

专用接插件
Connector

72°聚光
透镜聚光好
Optical lens Spotlight

五颜六色,灯光明亮
Multicoloured

Ø 5.4

3.9

Ø 10/12

1.8

4

21.2

7.2

6.5

2.6

M8X0.5
M10X0.75
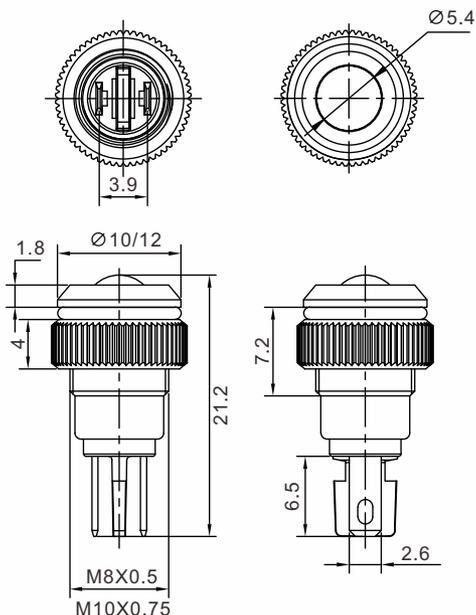
## 金属指示灯命名规则
### Naming convention for metal indicator lights

LB Ø◇-★/⊙▲▼/◎/●/※

其它备注：定制符号、防水要求、特殊颜色要求等
Other remarks: customized symbols, waterproof requirements, special color requirements, etc

螺丝脚：J-螺丝脚 Screw foot: J-screw foot

线长-150mm(标注150mm,可定做其它尺寸),(不带线的指示灯忽略此项)
Line length -150mm (marked with 150mm, other sizes can be customized), (ignored for indicator lights without lines)

外壳材质:S-不锈钢　N-黄铜镀铬　A-铝氧化
Shell material: S-stainless steel N-brass chrome plating A-aluminum oxidation

带灯电压:6-12Z:9-24V/220V ; 16Z-25Z、8A:5-24V/220V,其它电压定制
Voltage with lamp: 6-12Z: 9-24V/220V; 16Z-25Z, 8A: 5-24V/220V, customized for other voltages

发光颜色:R-红 G-绿 B-蓝 Y-黄 W-白 R G-双色 R G B-三色
Glow color: R-red G-green B-blue Y-yellow W-white R G-two-tone R G B-Tricolor

发光类型：C-整面发光　D-点灯(暂无)
Luminous type: C-full face luminous D-lighting (currently unavailable)

头部形状：P-平头　Q-球头
Head shape: P-flat head Q-ball head

系列号:Z-高端款　A-高亮款(8A,仅φ8mm) D-老款
Series Number: Z-High end A-High highlight (8A, only φ 8mm) D-old model

开孔尺寸(Dimension)：φ6、φ8、φ10、φ12、φ16、φ19、φ22、φ25mm

代码
YULIAN Code

例：直径12mm,球头整面黄色发光,12V,铜镀铬材质　　对应型号:LB12Z-Q/CY9-24V/N/150(L)
Example: 12mm diameter, ball head emitting yellow light on the entire surface, 12V, copper chrome plated material
Corresponding model:LB12Z-Q/CY9-24V/N/150 (L)

# LBFMQ 蜂鸣器

## ACOUSTO–OPTIC BUZZER SERIES

### 金属头部/阻燃外壳
### Metal head/Retardant shell

## 70~100dB/5cm
## DC12V/24V/AC220V

| | | | | | | |
|---|---|---|---|---|---|---|
| 70-100DB/5cm<br>蜂鸣响亮<br>Sonority | 约0.5S<br>间隙闪烁<br>Clearance Flashing | 10000H<br>持续通电1万小时<br>Continuous Electricity | 5000VAC<br>抗电强度<br>Electrical resistance strength | V2<br>耐温阻燃<br>AntifLaming | -40~80℃<br>耐温性能强<br>Environment | CCC RoHS REACH CE<br>专利及认证<br>Certificate |

不锈钢头部
Stainless Steel

球头发光角度更大
Ball head

螺丝脚方便接线
Screw Pins

高亮闪烁灯光
70dB/LED

Ø22

S25

10.26

LB22F

2.4

25.6

7.4    17

47.1
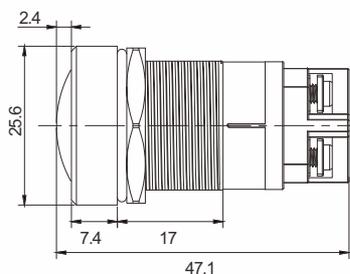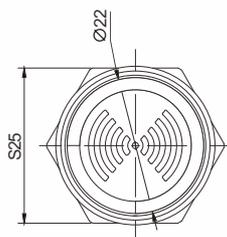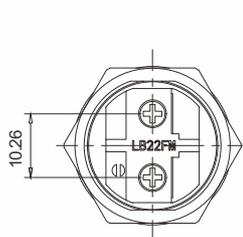
# 2系列经济款

## 2 Series economical models

### 12B2  16A2  19A1.2  22B2  25B2

12B2金属按钮开关



专用插件
Connector
线长150mm
Wires:150mm

16A2金属按钮开关  Metal Button Switch



专用插件
Connector
线长150mm
Wires:150mm

镀银插脚
Silver Pins

19A1.2金属按钮开关  Metal Button Switch



22B2  25B2金属按钮开关  Metal Button Switch

# LB16SA Series

## 新品-塑料按钮开关
Flame Retardant Plastic Switch

## 高亮面材质 Bright surface

## 1NO1NC

整面发光
Bright Surface

红色 | 绿色 | 蓝色 | 黄色 | 白色
Red | Green | Blue | Yellow | White

低功耗LED:≤20mA
Low Power Consumption LED:≤20mA

常规电压:9-24V 220V,定制其它电压
Normal Voltage:9-24V 220V,Customizable Other Voltage

常规颜色:红色、绿色、蓝色;定制:黄色、白色
Normal Color:Red/Green/Blue;Customizable:Yellow/White

LED

+ C NO NC −
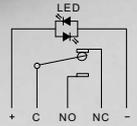
| 12.4mm 大发光面 Whole Face LED | 5000VAC 高绝缘耐压 High-Insulation | LED 50000H 长寿命灯珠 Long Life LED | 20万次 机械寿命 Mechanical Life | V0 耐温阻燃 Antif Laming | -40~80℃ 环境耐温强 Environment | IP65 防尘防溅水 Protection Level | CCC RoHS REACH CE TUV CE(TUV) CB(TUV) 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|

发光面积大,灯光柔和
Whole Face LED

专用接插件,镀银插脚
Connector Silver Plated Pins

按键凹面设计,防滑螺母
Non-Slip nuts

4.5 | 4.5

8.75

Ø18

2.8

0.5

M16X1

Ø12.4

Ø19

16

7

LB

16.6

18.25

23

0.5-2

8±2
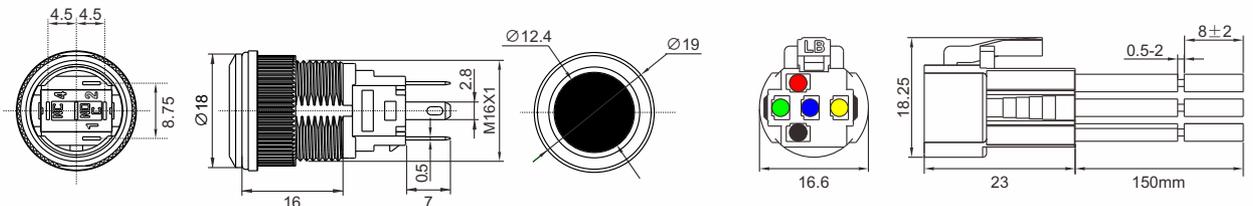
150mm

🔴⚫ LED灯脚
🟡 Nc常闭脚　　🔵 No常开脚　　🟢 C公共进线脚
0.5mm² 电线,长150mm,可定做其他规格线长
Wire Length:150mm 0.5mm²,Customize other Sizes

# LB22SA1

高端快插式按钮开关、指示灯
Push Button、Indicator Light

## 彻底改变传统接线
Completely change the traditional wiring

# Fast Connection



| | | | | |
|---|---|---|---|---|
| 1S<br>秒插接线 | 25A<br>Ui:660V<br>Ith:25A | 22mm<br>开孔直径 | LED<br>50000H<br>长寿命LED | ≥50万次电气寿命<br>≥1000万次机械寿命 |

NC触点
NC contact

灯座
Base

SA1Quick insertion type
SA1快插式

NO触点
No contact

NC触点
NC contact

固定卡座
Fixed card holder

SA2 Screw foot
SA2螺丝脚

灯座
Base

22mm

NO触点
No contact

Customized oxide black
可定制氧化黑

Customized oxide black
可定制氧化黑

M1

M2

M3

M4
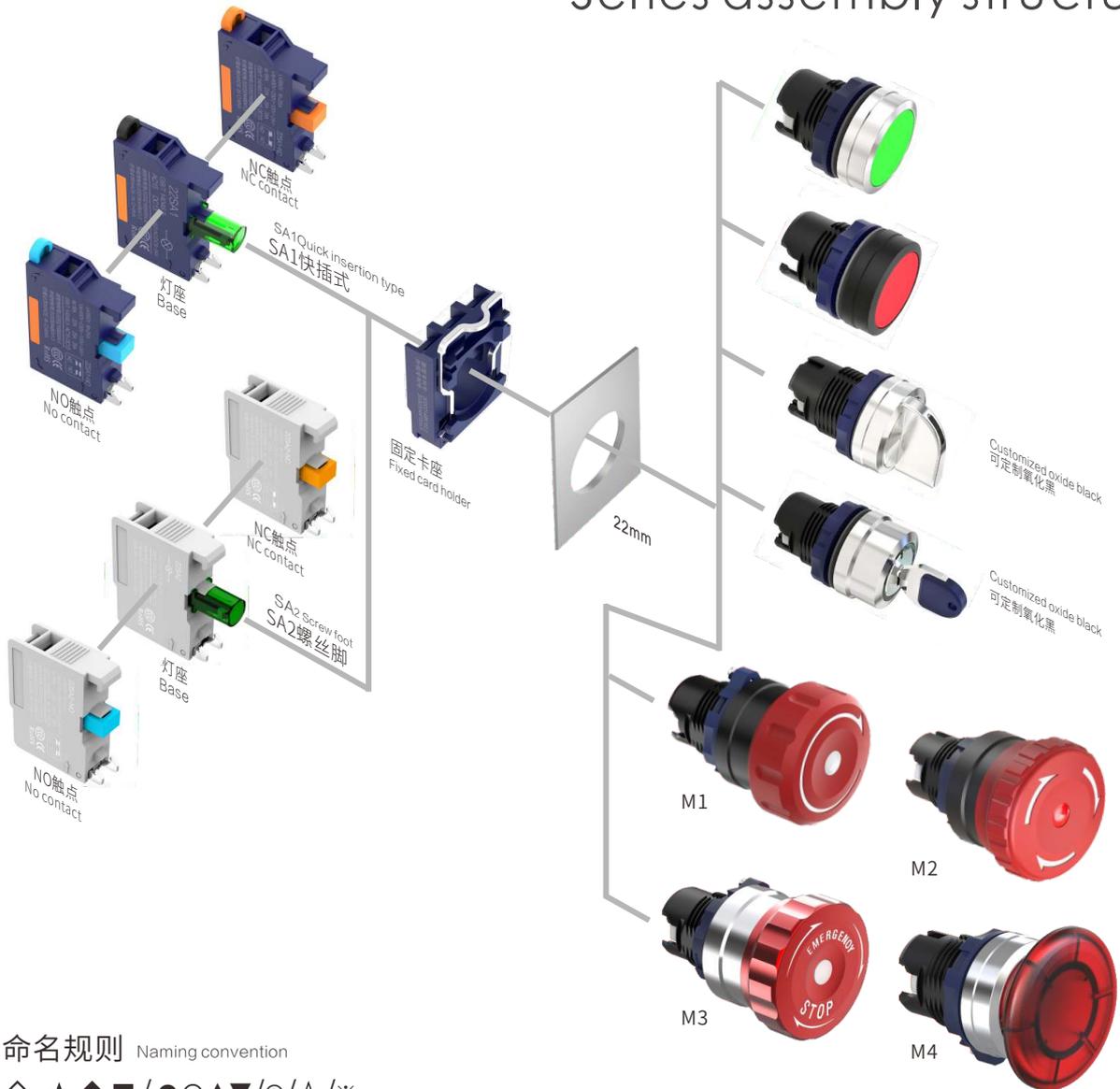
## 型号命名规则 Naming convention

LB Ø ◇ - ★ ◆ ■ / ● ⊙ ▲ ▼ / ◎ / ☆ / ※

其它备注: 定制符号、防水要求、特殊颜色要求等
Other remarks: customized symbols, waterproof requirements, special color requirements, etc

档　　　位: 2-2档　3-3档(针对旋钮及钥匙钮,其他开关请忽视)
Gear position: 2-2 gear, 3-3 gear (for knobs and key knobs, please ignore other switches)

头部材质: A-铝氧化本色　　PC-塑料　Y-塑料银色喷漆
Head material: A-aluminum oxide natural color PC plastic Y-plastic silver paint

带灯电压: 9-24V　220V, 定制: 25-48V　110V(无灯款请忽视)
Voltage with lamp: 9-24V 220V, customized: 25-48V 110V (please ignore without lamp)

发光颜色: R-红色　G-绿色　B-蓝色　Y-黄色　W-白色 ( 无灯款请忽视 )
Luminous color: R-red G-green B-blue Y-yellow W-white (please ignore the unlit version)

发光类型: C-整面发光 ( 只有平钮及信号灯面发光,其他款忽略 )
Luminous type: C-full face luminous (only flat buttons and signal lights are full face luminous, ignored for other models)

按键颜色: R-红色　G-绿色　B-蓝色　Y-黄色　W-白色 H-黑色(带灯款请忽视)
Key color: R-red G-green B-blue Y-yellow W-white H-black (please ignore the illuminated version)

操作类型: F-自复式(点动式)　Z-自锁式(保持式)
Operation type: F-self resetting (inching) Z-self locking (holding)

开关组合: 10-1NO  1常开 1 normally open   20-2NO  2常开 2 normally open
30-3NO  3常开 3 normally open      1C-1NC  1常闭 1 normally closed
2C-2NC  2常闭 2 normally closed      3C-3NC  3常闭 3 normally closed
12-1NO2NC  1常开2常闭      21-2NO1NC  2常开1常闭
11-1NO1NC  1常开1常闭      22-2NO2NC  2常开2常闭
33-3NO3NC  3常开3常闭      44......

头部形状: P-平头　B-头薄　Q-球头　Y-钥匙钮　X-旋钮　M-急停
Head shape: P-flat head B-thin head Q-ball head Y-key knob X-knob M-emergency stop

Sa1扳手快插系列号: SA1-平钮 Flat button  SA1X1-旋钮 knob  SA1Y1-钥匙钮 key SA1Z1-信号灯 Signal lamp
SA1 Serial number  SA1M1-塑料急停  SA1M2-塑料急停  SA1M3-金属急停  SA1M4-塑料蘑菇钮
Plastic emergency stop  Plastic emergency stop  Metal emergency stop  Mushroom button

Sa2螺丝接线系列号: SA2-平钮 Flat button  SA2X1-旋钮 knob  SA2Y1-钥匙钮 key
SA2 Serial number  SA2M1-塑料急停  SA2M2-塑料急停  SA2M3-金属急停  SA1M4-塑料蘑菇钮
Plastic emergency stop  Plastic emergency stop  Metal emergency stop  Mushroom button

安装孔直径( Installation diameter ):22mm

代号 YULIAN Code
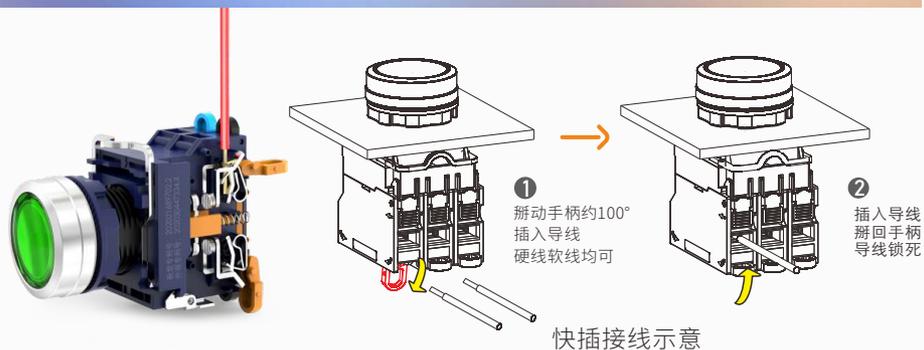
# IP65 IK08

**Ith:25A**
慢动双银点
Silver Contact

**3500VAC**
工频耐压
Rated impulse
withstand voltage

**10000000**
次机械寿命
Mechanical life

**1S**
秒插接线
Second patch cord

**80N**
正向拉力
电线无脱落
Wire locking strength

❶ 掰动手柄约100°
插入导线
硬线软线均可

❷ 插入导线
掰回手柄
导线锁死

快插接线示意

180°
水平无盲区

360°
发光指示

大球面高亮发光 安全再次升级
Large sphere highlighting   Security upgrade again

Ø31.5
Ø30
22
7.3
56.49
15.15
5.5
54.4
M22
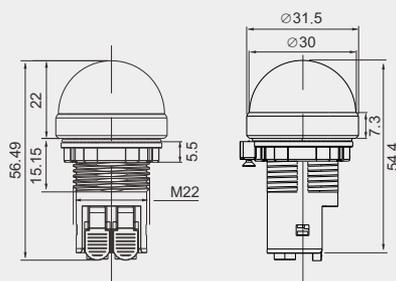
球头指示灯
Ball head indicator light

Ø31.5
Ø30
13.8
7.3
48.28
15.15
5.5
46.2
M22
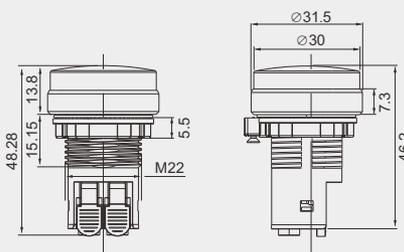
平头指示灯
Flat head indicator light

# LB22SA1 高端快插式按钮开关、指示灯
## Plastic Push Button、Indicator Light
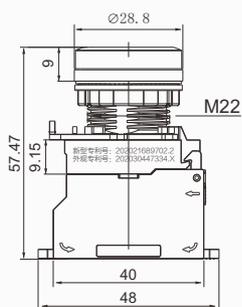
**无灯复位款**
No light reset model
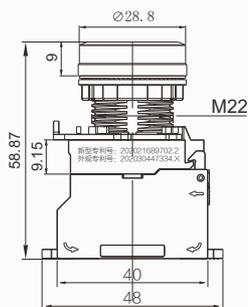
**带灯自锁/自复**
**无灯自锁款**
Self locking/self resetting with lights
Unlighted self-locking model
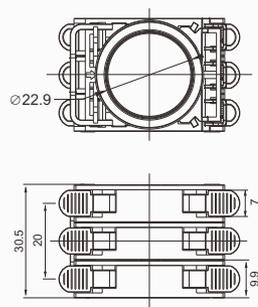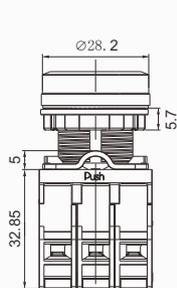
**所有触点模块尺寸相同**
All contact modules have the same size
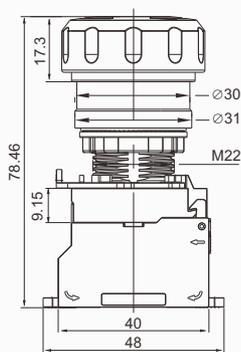
**M1急停(塑料红色头部)**
M1 emergency stop (plastic red head)
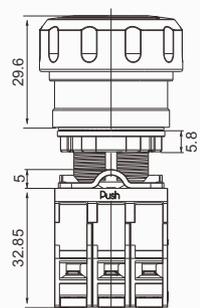
**M2急停(塑料红色头部)**
M2 emergency stop (plastic red head)
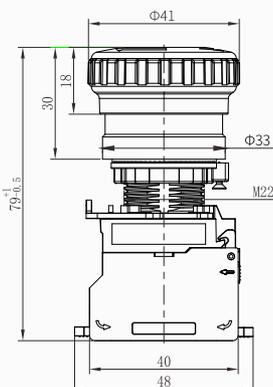
**M3急停(铝氧化红色头部)**
M3 emergency stop (Aluminium oxide red head)

**M4蘑菇头按钮(红色/绿色塑料头部)**
M4 Mushroom head button (red/green plastic head)

**旋钮**
knob
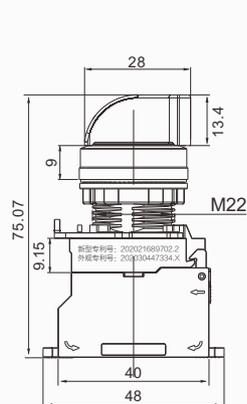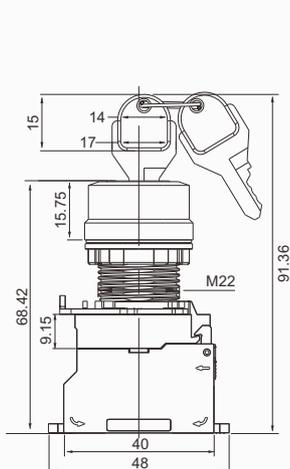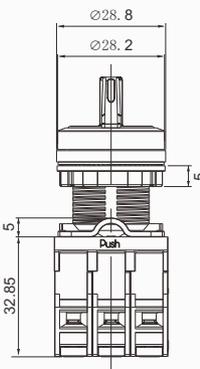
**钥匙钮**
key
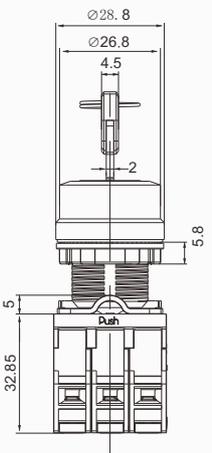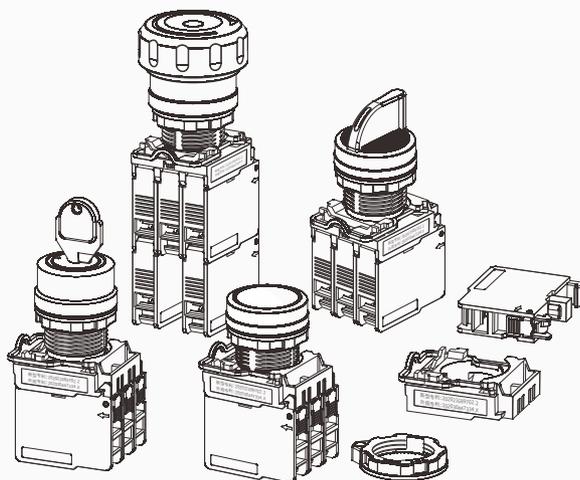
| 3NO3NC... 多触点组合 | 25A Ui:660V Ith:25A | 22mm 开孔直径 | LED 50000H 长寿命LED | ≥50 万次电气寿命 ≥1000 万次机械寿命 |
|---|---|---|---|---|

# LB22SA2

## 多触点组合式按钮开关、指示灯

Multi contact combination button switch and indicator light

+80℃

-40℃

**Ith:25A**
慢动双银点
Silver Contact

**≤ 4.5mm**
急停安装最
大面板厚度
Energebct stop
Installation

**3500VAC**
工频耐压
Rated impulse
Withstand voltage

**10000000**
次机械寿命
Mechanical life

**≥200N**
头部与中座
间防脱落顶力
Head and middle

**>50000h**
五万小时寿命
无极灯珠
Electrodeless Lamp
Beads

金属头
自锁
Metal head
Self-locking
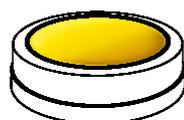
凹面设计,贴合手指
**手感更舒适**
comfortable feel

1NC
慢动
双触点
1NC slow acting
double contact

灯座
220V
红色发光
Lamp holder 220V
red emitting

PA66

铝氧化色
Aluminum oxide color

铜镀铬(定制)
Copper chrome plating
(customized)

不锈钢(定制)
Stainless steel
(customized)

镀钛(定制)
Titanium plating
(customized)

**上图型号示例**
LB22SA2-P1CZ/R220V/A

可定制黑色
旋柄+铝氧
化本色头部
Customizable black
handle+aluminum oxide
natural color head

可定制黑色
旋柄+铝氧
化黑色头部
Customizable black
handle+aluminum
oxide black head

可定制氧化
黑色头部
Customizable oxidized
black head

LB22SA2-P◆■/PC

Ø28.8
9
M22
62.3
9.15
36.5

Φ28.2
5.7
5
36.08
Push

Ø22.9
6-Ø6
9.9
20.1
30.49
3-Ø2.7
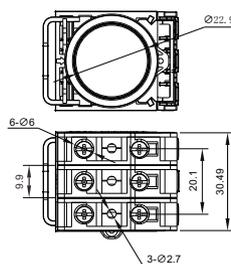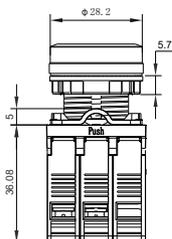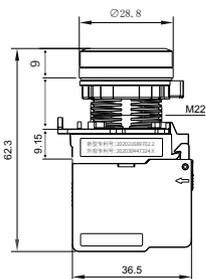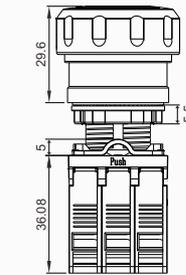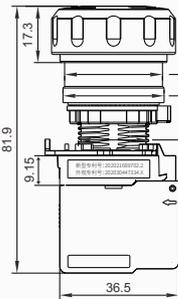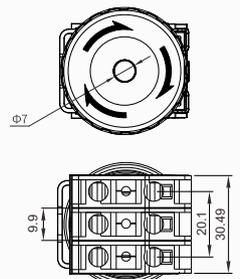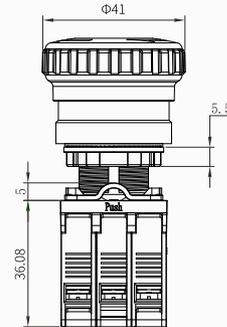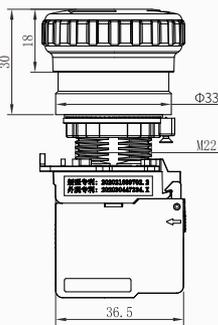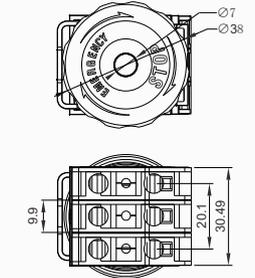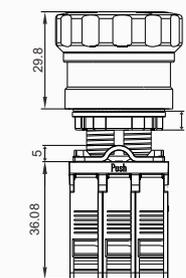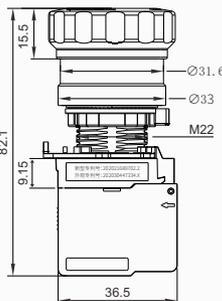
LB22SA2X1-X ◆■/A(银色)
(silvery)
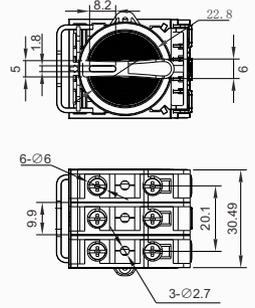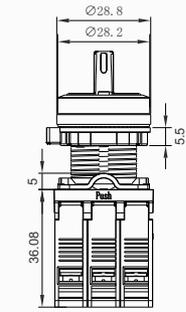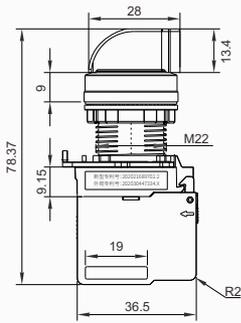


LB22SA2Y1-Y ◆■/A
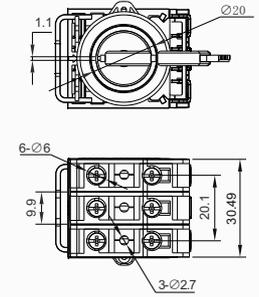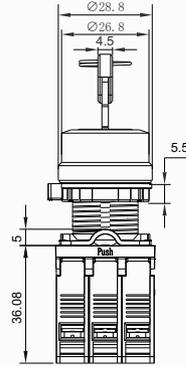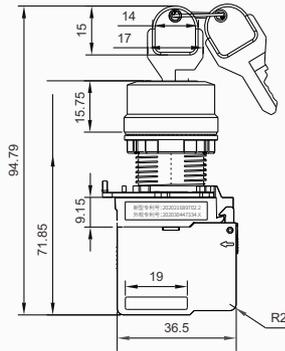


M1 emergency stop (plastic head)
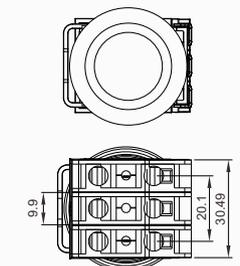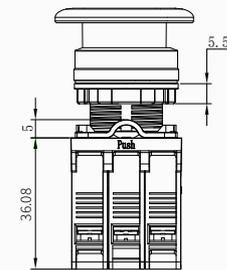M1急停(塑料头部)
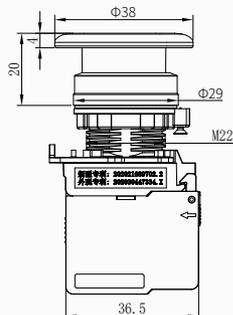LB22SA2M1-M ◆■/PC
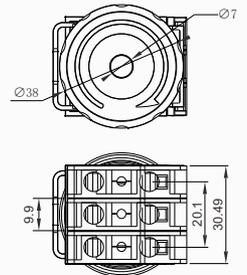


M2 emergency stop (plastic head)
M2急停(塑料头部)
LB22SA2M2-M ◆■/PC



M3 emergency stop (Aluminum oxide head)
M3急停(铝氧化头部)
LB22SA2M3-M ◆■/A



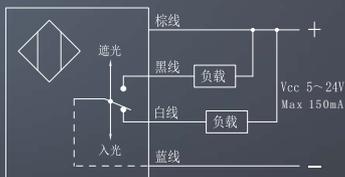M4 Mushroom head button (red/green plastic head)
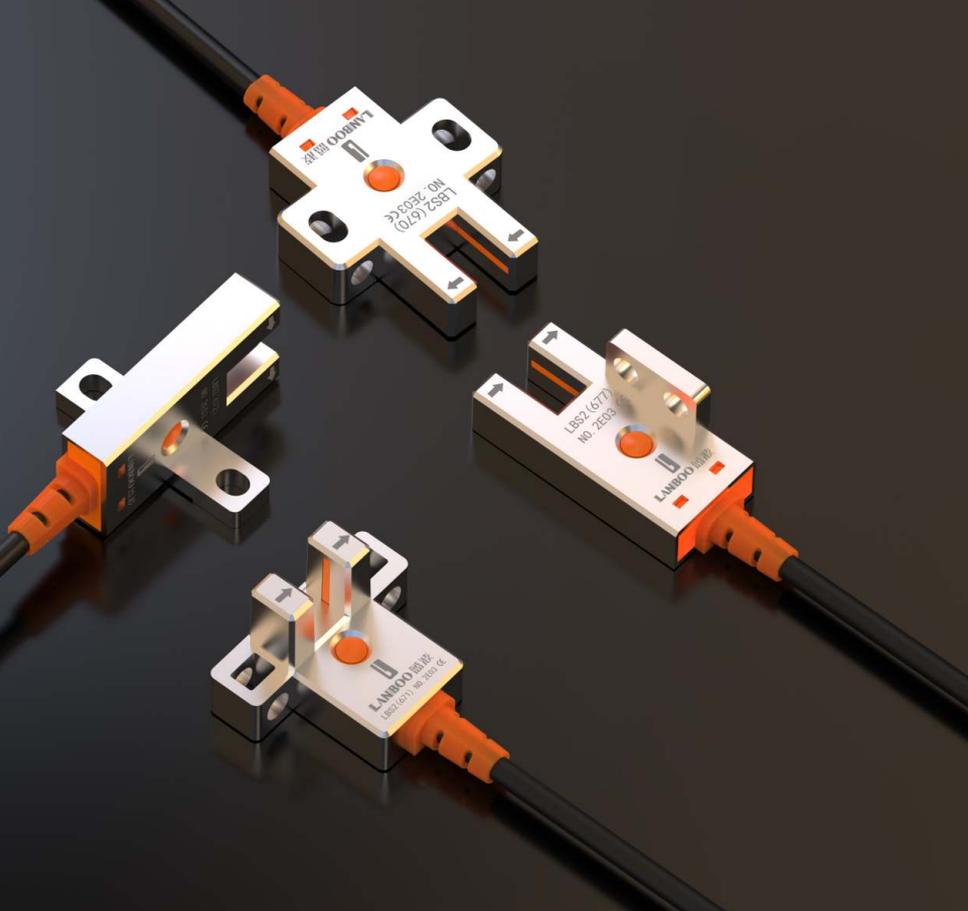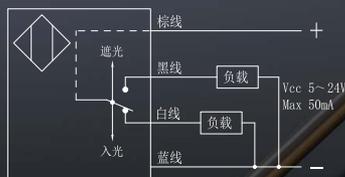M4蘑菇头按钮(红色/绿色塑料头部)
LB22SA2M4-M ◆■/PC

# LBS2 Series
## 光电开关
### Sensor Switch

**NPN**

棕线
遮光
黑线 — 负载
白线 — 负载
入光
蓝线

Vcc 5～24V
Max 150mA

**PNP**

棕线
遮光
黑线 — 负载
白线 — 负载
入光
蓝线

Vcc 5～24V
Max 50mA

LANBOO
LBS2(670)
NO. 2E03 CE

LBS2(677)
NO. 2E03

LBS2(671) NO. 2E03

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| 锌合金/镀铬 Zinc alloy/ chrome plating | 负载短路保护 Load short-circuit protection | 500m/S² 耐冲击性 Impact resistance | ≥3KHz 响应频率 Response frequency | PC透光罩 V2级阻燃 Flame retardant | 5-24VDC 宽电压 Wide Voltage | NO/NC 常开常闭 Open/Close | 5mm 凹槽宽度 Groove width | -40～80℃ 环境耐温强 Environment | CE RoHS 专利及认证 Certificate |
|---|---|---|---|---|---|---|---|---|---|

---

LBS2-OCH/1/(L) (E-SX670)

LBS2-OCL/1/(L) (E-SX671)

LBS2-OCT/1/(L) (E-SX672)

LBS2-OCLJ/1/(L) (E-SX674)

LBS2-OCF/1/(L) (E-SX676)

LBS2-OCR/1/(L) (E-SX677)

---

## 电气寿命曲线图

Y

20000000
18000000
16000000
14000000
12000000
10000000
8000000
6000000
4000000
2000000

0  20mA  40mA  60mA  80mA  100mA  130mA  150mA  X

---- DC 直流

---
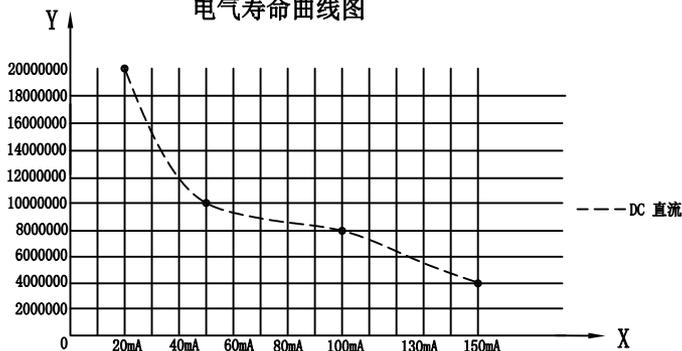
## 光电开关命名规则 Naming convention for photoelectric switches

LB◇ ★ - ▲▼ / ⊙ ◎ / (L) / ※

**其它备注**：型号注析，定制内容等
Other notes: Model annotations, customized content, etc

**其 它**：内部代码 Other: Internal code

**导线长度**：1—1米（默认）、可定做其它长度
Wire length: 1–1m (default), other lengths can be customized

**输出类型**：空白—入光时灯亮/NPN、A—遮光时灯亮/NPN、P—入光时灯亮/PNP、R—遮光时灯亮/PNP
Output type: Blank – light on/NPN when entering light, A – light on/NPN when blocking light, P – light on/PNP when entering light, R – light on/PNP when blocking light

**外观形状**：H—H标准型、L—L型、T—T型槽中心、LJ—LJ紧密型、F—F型、R—R型
Appearance shape: H–H standard type, L–L type, T–T groove center, LJ–LJ tight type, F–F type, R–R type

**动作形式**：OC—4条线，可实现NO/NC切换
Action form: OC—4 lines, capable of NO/NC switching

**产品系列**：2-微型槽型光电开关
Product series: 2- Micro groove photoelectric switch

**传感器(sensor)**：S—Sensor

**代号** YULIAN Code

# 平板式开关电源

## S/MS/LRS系列



输出稳定　抗干扰强

S系列

LRS系列

MS系列

| 过载保护<br>Overload protection | 过压保护<br>Overvoltage protection | 过温保护<br>Over Temperature Protection | 短路保护<br>Short circuit protection | 阻燃外壳<br>Antif Laming | 高性能芯片<br>Chip | CCC RoHS REACH CE |

全铜变压器<br>All copper transformer

电容滤波<br>Capacitor filter

接线端子<br>Connecting terminal

散热孔设计<br>Heat dissipation hole

| 型号 | 功率 | 12V | 24V | 长X宽X高(mm) | 保护模式 |
|---|---|---|---|---|---|
| LRS-50 | 50W | 4.2A | 2.2A | 99×82×30 | 过载保护、过压保护 |
| LRS-75 | 75W | 6A | 3.2A | 99×97×30 | |
| LRS-100 | 100W | 8.5A | 4.5A | 129×97×30 | |
| LRS-150 | 150W | 12.5A | 6.5A | 159×97×30 | 过载保护、过压保护、过温保护 |
| LRS-200 | 200W | 17A | 8.8A | 215×115×30 | |
| LRS-350 | 350W | 29A | 14.6A | 215×115×30 | |
| S-25 | 25W | 2.1A | 1A | 99×97×35 | 过载保护、短路保护 |
| S-35 | 35W | 2.9A | 1.45A | 129×98×38 | |
| S-75 | 75W | 6.25A | 3.1A | 159×98×38 | |
| S-120 | 120W | 10A | 5A | 199×98×38 | |
| S-150 | 150W | 12.5A | 6.25A | 199×98×38 | |
| S-350 | 350W | 29A | 14.5A | 215×114×50 | 过载保护、过/欠压保护、过温保护/短路保护 |
| S-400 | 400W | 33.3A | 16.6A | 215×114×50 | |
| S-600 | 600W | 50A | 25A | 241×125×65 | 过载保护、短路保护/过压保护、过温保护 |
| S-800 | 800W | 66.5A | 33.3A | 241×125×65 | 过载保护/短路保护、过压保护、过温保护 |
| MS-25 | 25W | 2.1A | 1A | 87×60×37 | 过载保护、短路保护 |
| MS-35 | 35W | 2.9A | 1.5A | 87×60×37 | |
| MS-50 | 50W | 4.2A | 2.1A | 87×60×37 | |
| MS-60 | 60W | 5A | 2.5A | 87×60×37 | |
| MS-120 | 120W | 10A | 5A | 159×98×38 | |
| MS-250 | 250W | 20.8A | 10.4A | 199×110×50 | |

# 导轨式开关电源

## DR/NDR/MDR系列

输出稳定　抗干扰强



DR系列

MDR系列

NDR系列

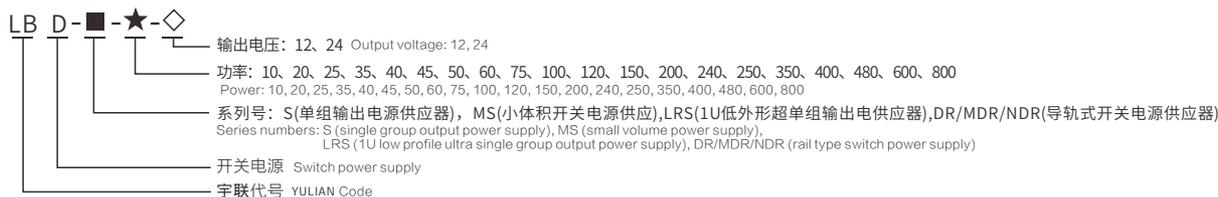| 过载保护 Overload protection | 过压保护 Overvoltage protection | 过温保护 Over Temperature Protection | 短路保护 Short circuit protection | 阻燃外壳 Antif Laming | 高性能芯片 Chip | CCC RoHS REACH CE |
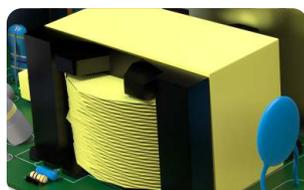
全铜变压器
All copper transformer

电容滤波
Capacitor filter

导轨设计
Rail

散热孔设计
Heat dissipation hole

| 型号 | 功率 | 12V | 24V | 长X宽X高(mm) | 保护模式 |
|---|---|---|---|---|---|
| DR-45 | 42/48W | 3.5A | 2A | 78×93×56 | 过载保护、短路保护 |
| DR-60 | 54/60W | 4.5A | 2.5A | 78×93×56 | |
| DR-240 | 240W | / | 10A | 125.5×100×125.2 | 过载保护、短路保护、过压保护、过温保护 |
| DR-480 | 480W | / | 20A | 125.5×100×125.2 | |
| MDR-10 | 10W | 0.84A | 0.42A | 22.5×90×100 | 过载保护、过压保护 |
| MDR-20 | 20/24W | 1.67A | 1A | 22.5×90×100 | |
| MDR-40 | 40/39.8W | 3.3A | 1.7A | 40×90×100 | |
| MDR-60 | 60W | 5A | 2.5A | 40×90×100 | |
| MDR-100 | 100W | 7.5A | 4A | 50×90×100 | 过载保护、过压保护、过温保护 |
| NDR-120 | 120W | 10A | 5A | 40×125×113 | 过载保护、过压保护、短路保护 |
| NDR-240 | 240W | / | 10A | 63×125×113 | 过载保护、短路保护、过压保护、过温保护 |

## 开关电源命名规则 Naming rules for switching power supplies

LB D - ■ - ★ - ◇

输出电压: 12、24 Output voltage: 12, 24

功率: 10、20、25、35、40、45、50、60、75、100、120、150、200、240、250、350、400、480、600、800
Power: 10, 20, 25, 35, 40, 45, 50, 60, 75, 100, 120, 150, 200, 240, 250, 350, 400, 480, 600, 800

系列号: S(单组输出电源供应器), MS(小体积开关电源供应),LRS(1U低外形超单组输出电供应器),DR/MDR/NDR(导轨式开关电源供应器)
Series numbers: S (single group output power supply), MS (small volume power supply),
LRS (1U low profile ultra single group output power supply), DR/MDR/NDR (rail type switch power supply)

开关电源 Switch power supply

代号 YULIAN Code

# 定制开发系列
## Custom Development Series

优秀的研发团队，可根据您的需求量身定制各种开关

Excellent R&D team, can be customized according to your needs of various switches
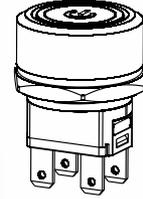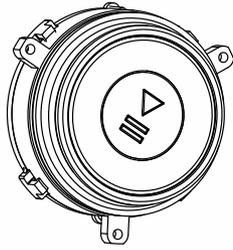
某机器人公司定制
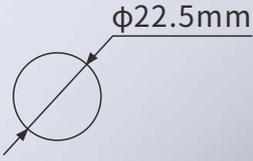Custmized by Robot Company

格力电器定制
Custom made by Gree Electric

# 定制符号及外壳系列
## CUSTOMIZABLE ARBITRARY SYMBOL

# 抗紫外线·防水IP67
# 阻燃防水盒

φ22.5mm



| 优选材质 | 抗紫外线 | IP67/IK10 | -40~80℃ | 阻燃外壳 | 可定制 | CCC RoHS REACH CE |
|---|---|---|---|---|---|---|
| High-quality material | Resist ultraviolet rays | 防水防爆 Protection Level | 环境耐温强 Environment | Flame-retardant | Customized | |

密封防水垫

M18敲落孔
M18 knocking out hole

防水接头
Waterproof connector

ABS+PC材质 抗紫外线
ABS+PC material is UV-resistant

可激光刻字/定制开孔
Laser engraving and custom hole opening are available

Ø67.8
68±0.2
Ø22.5
88
58±0.3
S23
10
68±0.2

**1孔（带防误操作）**

68±0.2
Ø22.5
58±0.3
S23

**1孔**

100±0.3
3-Ø22.5

**2孔**

90
145±0.3
3-Ø22.5

**3孔**

135
45
190±0.3
4-Ø22.5

**4孔**

180
90
235±0.3
5-Ø22.5
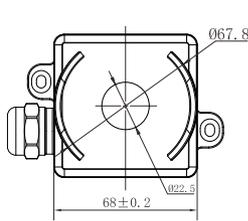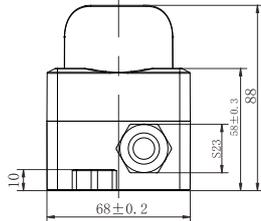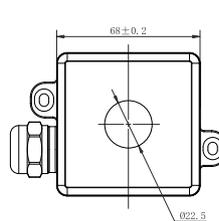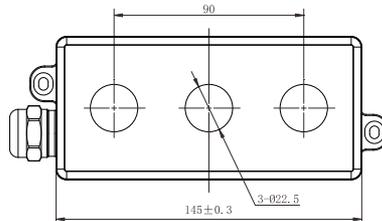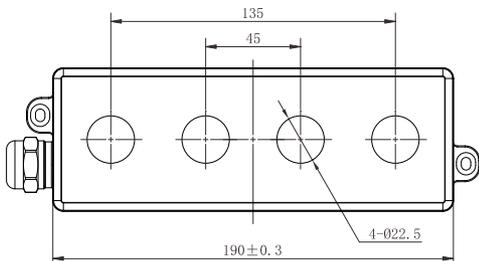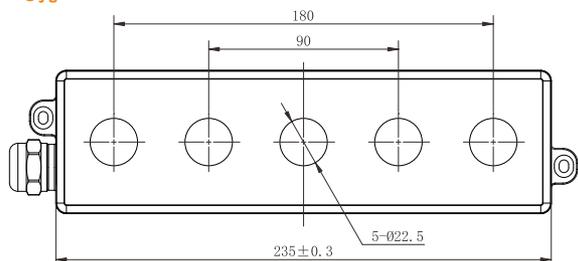
**5孔**

# LBφFW-J1-1.1

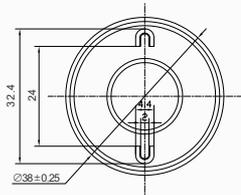## Emergency Stop Protective Cover

急停防误保护罩

**∅16mm  ∅19mm  ∅22mm**



## 材质:ABS

外壳工艺:亚光黄色/灰色磨砂喷漆
适用孔径:16mm  19mm  22mm
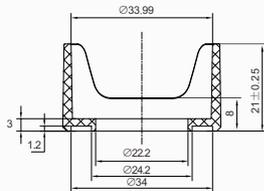Shell process:Matte yellow/gray frosted paint
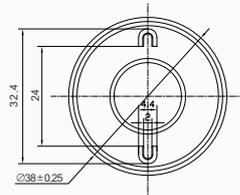Apply the aperture:16mm,19mm ,22mm
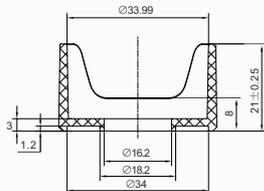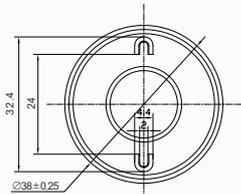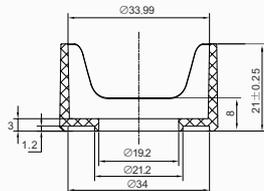


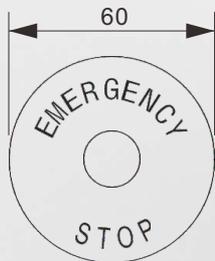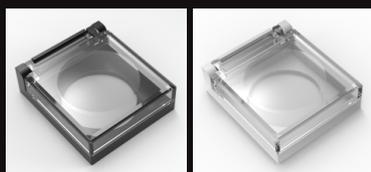LB16FW-J1-1.1          LB19FW-J1-1.1          LB22FW-J1-1.1

## 急停警示圈
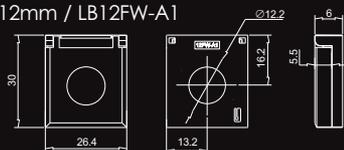
Emergency stop warning circle

**∅16mm  ∅19mm  ∅22mm**

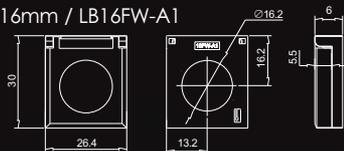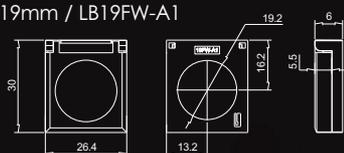# LBFW Anti Misoperation Cover 防误操作盖
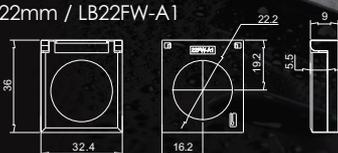
黑色款/Black    银色喷漆款/Silver

12mm / LB12FW-A1

16mm / LB16FW-A1

19mm / LB19FW-A1

22mm / LB22FW-A1

25mm / LB25FW-A1

LBØFW-1

LBØFW-2

LBØFSG

防水罩/16mm  19mm  22mm
Waterproof

硅胶材质,耐用耐腐蚀
Silicone Waterproof

# LBBS

**Nutwrench**
螺母扳手

12mm 16mm 19mm 22mm



22mm      19mm      16mm      12mm

穿绳孔设计,避免遗失
Avoid Missing

防滑设计,出汗都不怕
Antuskid

加厚边缘,不爆边
Thicken Edge

出线口设计,焊线了也不怕
Outlet

还这样拧?不仅费劲还伤手
Difficulty，Hurts hand

强烈推荐
Recommend

老板!还是这样好用哦
Booss! I want this

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Email: Lisa@sz-yulian.com