



按钮 信号灯



產品特點

Product's characteristic



由本公司自主研發，綜合各大品牌的優點

This product is researched and developed by ourselves independently, it has integrated the advantages of many renowned brands, specifically as followings

1

區別于其它所有同類產品的連接件，外型美觀，安裝方便。
Different from other connecting piece of same product, is appearance beautiful and installation simple.

2

可以隨時變換長短的旋鈕手柄和不同顏色的花帽。
Able to change the length of knob handle at anytime and differ tinctoral cap.

3

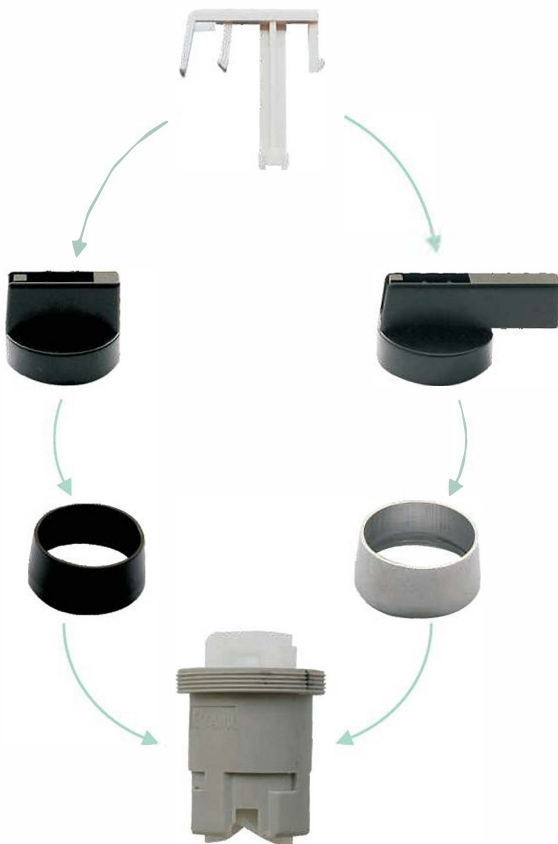
進口優質塑料，高精度銅材，國家權威機構檢測，三大流程，六大標準，層層管控，精益求精。

We have imported high-quality plastic, high-precision copper. Also our products are inspected by national authoritative institutions, and through three flows and meet six standards. We control every process and make continuous improvement.

4

注塑車間高度信息化、自動化、在業內具有領先水平，所有注塑膠機都配置機械手、模溫機，採用中央供料，并通過注塑管理系統對生產計劃、工藝參數及設備狀態等信息進行系統管理。

The plastic injection workshop is high information-based and automatic, which leads the way in the industry. Of advanced plastic injection machines, all of which are equipped with manipulators and mould temperature controllers. Centralized conveying is adopted and systematic management on information such as production planning, process parameters and equipment status is carried out through the plastic injection management system.



LA110-A1



P5



LA110-A1-01



LA110-A1-10M



LA110-A1-10X



LA110-A1-10CX

P6



LA110-A1-10Y

P6



LA110-A1-01Z



LA110-A1-01ZY

P7



LA110-A1-10D



LA110-A1-01MD



LA110-A1-11RD

LA110-A2

P8



LA110-A2-01



LA110-A2-01M



LA110-A2-10X



LA110-A2-10CX

P9



LA110-A2-10Y

P9



LA110-A2-01Z



LA110-A2-01ZY

P10



LA110-A2-10D



LA110-A2-10MD



LA110-A2-11RD

LA110-B2

P13



LA110-B2-BA31



LA110-B2-BP42



LA110-B2-BL42



LA110-B2-BA3311

P14



LA110-B2-BC21



LA110-B2-BS542



LA110-B2-BS142

P14



LA110-B2-BA31

P15



LA110-B2-BP42



LA110-B2-BL42



LA110-B2-BA3311

P16



LA110-B2-BC21



LA110-B2-BS542



LA110-B2-BS142

P01

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LA110-B4



P19



LA110-B4-BA51



LA110-B4-BA3311



LA110-B4-BP51



LA110-B4-BL51

P20



LA110-B4-BC42



LA110-B4-BS542



LA110-B4-BS142

P20



LA110-B4-BT42

P21



LA110-B4-BD21



LA110-B4-BJ21



LA110-B4-BG21

P22



LA110-B4-BW8365



LA110-B4-BW34M5



LA110-B4-BV64

LA110-B5 LA110-B7

P23



LA110-B5-AA31



LA110-B5-AA4322



LA110-B5-AL31

P24



LA110-B5-AC21



LA110-B5-AS542



LA110-B5-AS142

P25



LA110-B5-AD21



LA110-B5-AG21

P26



LA110-B5-AW31M5



LA110-B5-AV63



LA110-A2-11J



LA110-A2-11X

LA108-22

P30



AD108-22BS



AD108-22CS



AD108-22DS



AD108-22ES

P31



AD108-22FM



AD108-22SM

P31



AD108-22S



AD108-22DK

P32



AD108-22SS



AD108-22W/G



AD108-22W/D



AD108-22W/N

LA110-A 系列按钮

Button series



型号 Model

LA110 — A 1 2 3 / 4 5 6

按不同的连接件分A1、A2

Can be classified into A1.A2 according to different connecting piece

按钮代号及序号由上海电器科学研究所颁发。

Button code and serial no is issued by shanghai electrical appliance science

1 表示常开触头数 (NO)
Quantity of normally open

2 表示常闭触头数 (NC)
Quantity of normally closed

3 按钮功能
Function of button

4 表示按钮颜色及旋钮钥匙钮的动作和拔出位置
Full-face colour & key selector and key removable pos

字母 Letters	含义 Meaning
	一般按钮 Push button
D	带灯按钮 Push button with light
T	自锁按钮 Self-locking button
M	蘑菇按钮 Mushroom push button
MT	蘑菇自锁按钮 Self-locking mushroom push button
Z	紧急按钮 Emergency push button
Y	二位置钥匙按钮 Two-position key turn button
YS	三位置钥匙按钮 Three-position key turn button
X	短柄二位置旋钮 Short-handle two-position turn button
XS	短柄三位置旋钮 Short-handle three-position turn button
CX	长柄二位置旋钮 Long-handle two-position turn button
CXS	长柄三位置旋钮 Long-handle three-position turn button
ZY	带钥匙紧急按钮 Key emergency turn button
XD	二位置带灯按钮 Two-position turn button with light
XSD	三位置带灯按钮 Three-position turn button with light
R	双位按钮 Two position push button
RD	双位带灯按钮 Two position push button with light

按钮颜色 Full-face colour

红 Red 绿 Green 黄 Yellow 蓝 Blue 白 White 黑 Black

R G Y B W K

动作功能 Spring return action

左边自复位 右边自复位 左右自复位
Self reset on the left Self reset on the right Self reset on the left and right

f fu ffu

钥匙拔出位置 Key removable position

左边拔出 中间拔出 右边拔出
Pulling out on the left Pulling out in the middle Pulling out on the right

a ao au

5 带灯按钮指示灯规格 Specification of indicator push button with light

代码 Code	21	22	23	24	25	26	27	28	31	32
电源 Power supply	AC/DC							DC	AC	
电压 (V) Voltage	6	12	24	36	48	110	127	220	220	380
光源 Light source	发光二极管 Luminous diode LED									

6 TH 表示湿热型 Indicates tender-heat type

符合标准 Complied standards

IEC 60947/GB 14048.5

主要技术参数 Technical data

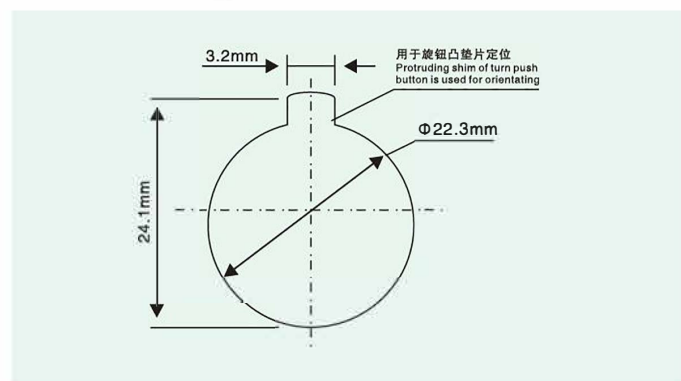
使用条件 Service conditions		控制能力 Control ability				
工作温度 Operating temperature	+55℃~-25℃		额定工作电压Ue Rated operation voltage		额定工作电流 Ie Rated operation current	
使用类别 Operation category	AC-15 DC-13				弹片式	平压式
污染等级 Pollution class	3		交流 AC	660V	2	2.3
作业高度 Working altitude	≤2000m			380V	4	4.5
抗震动 Vibration Durability	10~200HZ 1mn.10g			220V	5.5	6.5
			直流 DC	110V	1.2	1
				48V	3.6	3
				24V	7.2	6

使用寿命 Operation life			额定值 Rated value		
	机械寿命 Mechanical life	电寿命 Electrical life	额定绝缘电压 Ui Rated insylation voltage		AC660V 50HZ
一般按钮 Push button	3×10 ⁶	交流电寿命60X10 ⁴ 次 AC electrical life 60X10 ⁴ times	约定发热电流 Ith Conventional heating current		10A
旋 钮 Tum button	30×10 ⁴		接触电阻 Contact resistance		≤50mΩ
钥匙钮 Key push button	5×10 ⁴	直流寿命30X10 ⁴ 次 DC electrical life 30X10 ⁴ times	前部防护等级 Protective class		IP65
紧急钮 Emergency push button	5×10 ⁴				

部件材料 Parts materials		开关元件触点状态 Contact state of the switch element					
头部外圈 Front ring	AL	状态 Stalle					
头部 Actrator housing	PBT						
触点 Contact	AgNi		01	10	02	20	11
开关壳体 Switch housing	PC	触点代码 Contact code	一闭 One colse	一开 one open	二闭 two colse	二开 two open	一开一闭 one open one close
接触板 Contact parts	Cu						

安装开孔尺寸图

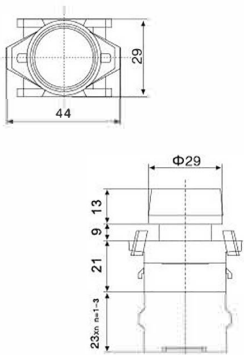
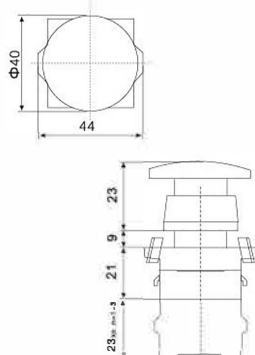
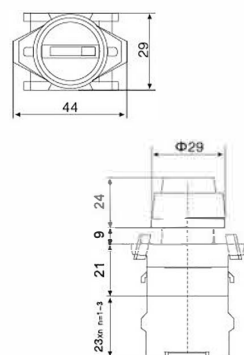
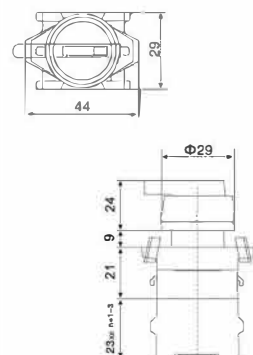
Dimension diagram of installation hole



LA110-A₁ 系列按钮

Button series



名 称 Name	一般按钮 Push button	蘑菇按钮 Mushroom push button	短柄旋钮 Short handle turn button	长柄旋钮 Long handle tun button
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type 自锁型 Self-locking type	瞬动型 Instantaneous type 自锁型 Self-locking type	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type
型 号 Model	LA110-A ₁ / LA110-A ₁ T/	LA110-A ₁ M/ LA110-A ₁ MT/	LA110-A ₁ X/ LA110-A ₁ XS/	LA110-A ₁ CX/ LA110-A ₁ CXS/
颜 色 Color	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B	黑 红 绿 蓝 K R G B	黑 红 绿 蓝 K R G B
外型尺寸 Outline Dimensions				

说明

斜线前的 填写常开，常闭的触点数，斜线后的 填写颜色；

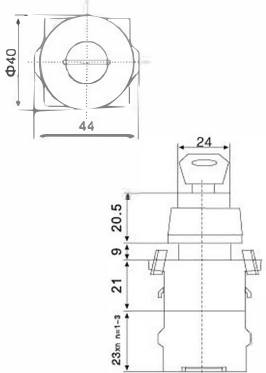
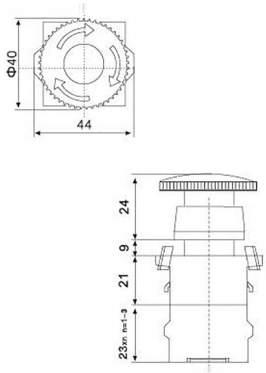
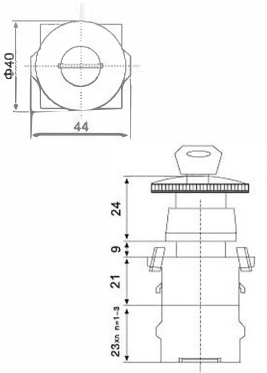
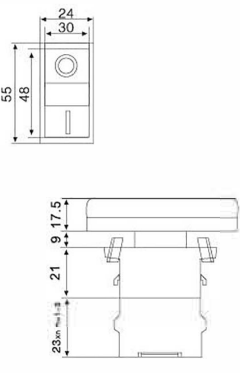
Remarks

Filling in normal open and close number in front of , color in back of

LA110-A1 系列按钮

Button series



名 称 Name	钥匙钮 Emergency turn button	紧急钮 Emergency push button	带钥匙紧急钮 Key emergency turn button	双位按钮 Two position push button
样 式 Style				
运行状态 Operating Condition	自锁型 Self-locking type 自复型 Self-reset type	按压锁定，顺时针转复位 Press to lock twist clockwise to release	按压锁定，顺时针转复位 Press to lock twist clockwise with key to release	瞬动型 Instantaneous type
型 号 Model	LA110-A1  Y LA110-A1  YS	LA110-A1-A1  Z	LA110-A1-A1  ZY	LA110-A1  R
颜 色 Color		红 绿 R G	红 R	红 绿 R G
外型尺寸 Outline Dimensions				

说明

斜线前的  填写常开，常闭的触点数，斜线后的  填写颜色；

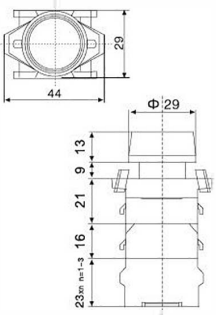
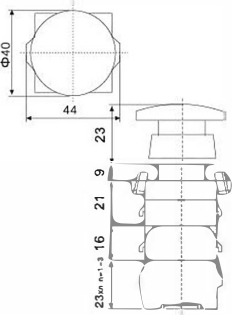
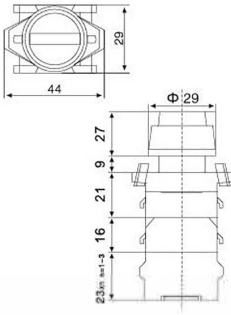
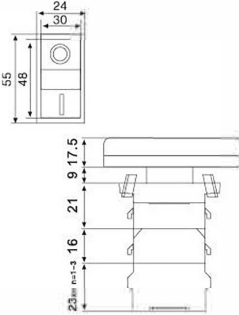
Remarks

Filling in normal open and close number in front of  , color in back of 

LA110-A₁ 系列按钮

Button series



名 称 Name	带灯按钮 Push button with light	带灯蘑菇钮 Mushroom push button with light	带灯旋钮 Turn button with light	双位带灯按钮 Two position push button with light
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type	瞬动型 Instantaneous type 自锁型 Self-locking type	自锁型 Self-locking type 自复型 Self-reset type	瞬动型 Instantaneous type
型 号 Model	LA110-A1-▨ D LA110-A1-▨ TD	LA110-A1-▨ MD/▨ LA110-A1-▨ MTD/▨	LA110-A1-▨ XD/▨ LA110-A1-▨ XSD/▨	LA110-A1-▨ RD
颜 色 Color	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 R G Y	红 绿 R G
外型尺寸 Outline Dimensions				

说明

斜线前的 ▨ 填写常开，常闭的触点数，斜线后的 ▨ 填写颜色；

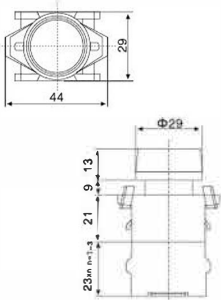
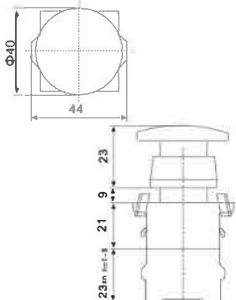
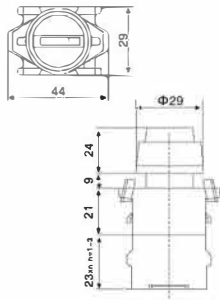
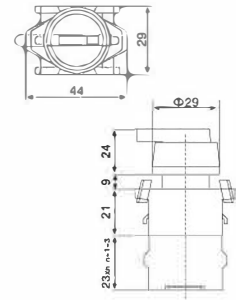
Remarks

Filling in normal open and close number in front of ▨, color in back of ▨

LA110-A₁ 系列按钮

Button series



名 称 Name	一般钮 Push button	蘑菇钮 Mushroom push button	短柄旋钮 Short handle turn button	长柄旋钮 Long handle turn button
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type 自锁型 Self-locking type	瞬动型 Instantaneous type 自锁型 Self-locking type	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type
型 号 Model	LA110-A2 ▨ / ▨ LA110-A2 ▨ T/ ▨	LA110-A2 ▨ M/ ▨ LA110-A2 ▨ MT/ ▨	LA110-A2 ▨ X/ ▨ LA110-A2 ▨ XS/ ▨	LA110-A2 ▨ CX/ ▨ LA110-A2 ▨ CXS/ ▨
颜 色 Color	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B	黑 红 绿 蓝 K R G B	黑 红 绿 蓝 K R G B
外型尺寸 Outline Dimensions				

说明

斜线前的 ▨ 填写常开，常闭的触点数，斜线后的 ▨ 填写颜色；

Remarks

Filling in normal open and close number in front of ▨, color in back of ▨

LA110-A2 系列按钮

Button series



名 称 Name	钥匙钮 Key turn button	紧急钮 Emergency push button	带钥匙紧急钮 Key emergency turn button	双位按钮 Two position push button
样 式 Style				
运行状态 Operating Condition	自锁型 Self-locking type 自复型 Self-reset type	按压锁定，顺时针转复位 Press to lock twist clockwise to release	按压锁定，钥匙顺时针转复位 Press to lock twist clockwise key to release	瞬动型 Instantaneous type
型 号 Model	LA110-A2 Y LA110-A2 YS	LA110-A2 Z	LA110-A2 ZY	LA110-A2 R
颜 色 Color		红 绿 R G	红 R	红 / 绿 R / G
外型尺寸 Outline Dimensions				

说明

斜线前的 填写常开，常闭的触点数，斜线后的 填写颜色；

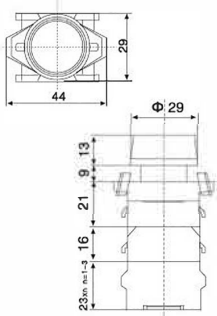
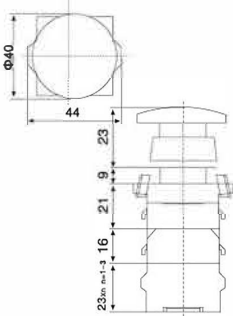
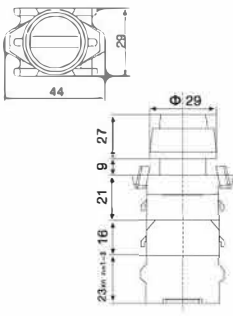
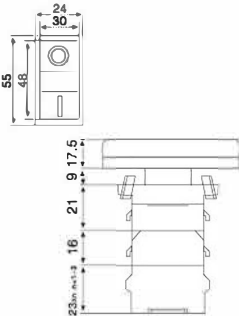
Remarks

Filling in normal open and close number in front of , color in back of

LA110-A₂ 系列按钮

Button series



名 称 Name	带灯按钮 Push button with light	带灯蘑菇钮 Mushroom push button with light	带灯旋钮 Turn button with light	双位带灯按钮 Two position push button with light
样 式 Style				
运行状态 Operating Condition	瞬时型 Instantaneous type	瞬时型 Instantaneous type 自锁型 Self-locking type	自锁型 Self-locking type 自复型 Self-reset type	瞬时型 Instantaneous type
型 号 Model	LA110-A ₂ -  D LA110-A ₂ -  TD	LA110-A ₂  MD/  LA110-A ₂  MTD/ 	LA110-A ₂  XD/  LA110-A ₂  XSD/ 	LA110-A ₂  RD
颜 色 Color	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 R G Y	红 绿 R G
外型尺寸 Outline Dimensions				

说明

斜线前的  填写常开，常闭的触点数，斜线后的  填写颜色；

Remarks

Filling in normal open and close number in front of  , color in back of 

型号 Model

LA110 — B₂ — 1 2 3 4

设计序号
Design order

按钮代号及序号由上海电器科学研究所颁发。
Button code and serial no is issued by shanghai electrical appliance science

- 1 按不同头部与连接方式分B.E(B:金属头E:塑料头)
Can be classified into B.E according to different connecting piece

2 结构分类 Textural claddification	3 派生品种 Derivation type	4 规格代号 Size number	
A:平钮 A:Flat button P:防污钮 P:Anti-fouling button L:高位钮 L:High-order button	1:白 white 2:黑 black 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue	1: 常开 NO 2: 常闭 NC 3: 二常开 two NO 4: 二常闭 twoNC 5: 常开+常闭 NO+NC	注: 标志钮.带标志高位钮. Mark button.high-order button with mark ① BA(L)3311 ② BA(L)3361 ③ BA(L)3341 ④ BA(L)3351 ⑤ BA(L)4322 ⑥ BA(L)4342
C: Φ40蘑菇头自复钮 C: Φ40mushroom self-reset button R: Φ60蘑菇头自复钮 R: Φ60mushroom self-reset button	2:黑 black 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue		
S: 蘑菇头自锁, 转动复位 S: Mushroom self-lock reset after turning	4: Φ30 5: Φ40 6: Φ60	2: 常闭 NC	
S: 蘑菇头自锁, 钥匙顺时针转复位 S: Mushroom self-lock with key to release	7: Φ30 84: Φ40 1: Φ40 94: Φ60 2: Φ60	2: 常闭 NC	
T: Φ40推拉式紧急钮 T: Φ40Push and pull type emergency button X: Φ60推拉式紧急钮 X: Φ60 Push and pull type emergency button		2: 常闭 NC 5: 常开+常闭 NO+NC	
D:短柄旋钮 D: Short handle turn button J:长柄旋钮 J: Long handle turn button G:钥匙钮 G: Key button	2:二位置锁定 Two position lock 3:三位置锁定 Three position lock 4:二位置复位 self rest on the two position 5:三位置复位 self rest on the three position	1: 常开 NO 2: 常闭 NC 3: 二常开 two NO 4: 二常闭 twoNC 5: 常开+常闭 NO+NC	
W3:带灯旋钮 W3: Turn button with light	1:白 white 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue	6:直接式 Flat type 7:电阻式 Resistance type 4:变压器式 Transformer type	1:常开 NO 2:常闭 NC 5:常开+常闭 NO+NC
L8:双位按钮 L8:Two position push button L9:双位按钮, 带防护罩 L9:Two position push button	3:一般钮 Push button 4:一般钮+高钮 带标志 Push button+high button	2:双位按钮 Two position push button 6:直接式 Flat type 7:电阻式 Resistance type 4:变压器式 Transformer type	5:常开+常闭 NO+NC
W8:双位带灯按钮 W8:Two position push button with light			
v:信号灯 Indicator lamp	4:220V变压器式 Trans for mer type 5:380V变压器式 Trans for mer type 6:直接式 Flat type 7:电阻式 Resistance type	1:白 white 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue	
BE:附件 (无结构分类号) Annex (no structure & class)	101:常开接触组 NO contact group 102:常闭接触组 NC contact group		

主要技术参数 Main technological parameter

额定绝缘电压 U_i (V)	400					
约定发热电流 I_{th} (A)	10					
工频耐压 Withstand voltage	2500V AC, 1分钟 One minute					
触点电阻 Contact resistance	$\leq 50m\Omega$ (初始值), (initial value)					
机械寿命 mechanical life	平头式.蘑菇头式100万次, 带灯式30万次.其它10万次 Flat type.mushroom type 1000,000.double-heads type 300,000 AC 100,000					
电寿命 Electrical life	平头式.蘑菇头式.双头式AC50万次, DC20万次, 其余10万次 Flat type.mushroom type.double-heads type AC 500,000 DC 200,000 other 200,000					
防护等级 Level of protection	IP40					
额定工作电压 U_e (V)	380	220	110	48	24	
额定工作电流 I_e (A)	AC-15	2.5	4.5	6	8	-
	DC-13	-	0.3	0.6	1.3	2.5

额定电压 Rated voltage (V)	直接式 Direct type							电阻式 Resistance type	变压器式 Transformer type
	6	12	24	48	110	220	380		
点光源 Light source								220	220 380
LED灯 LED light	√	√	√	-	-	-	-	-	√ √
氖灯 Neon lamp	-	-	-	-	√	√	√	√	- -
白炽灯 Incandescence light	√	√	√	√	√	√	√	-	√ √

正常工作条件

周围空气温度位 $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$,24小时内其平均值不超过 $+35^{\circ}\text{C}$;

海拔高度: 安装地点的海拔不超过2000m;

大气条件: 最高温度为 $+40^{\circ}\text{C}$ 时, 空气的相对湿度不超过50%, 在较低的湿度下可以允许有较高的相对湿度, 例如 $+20^{\circ}\text{C}$ 时达90%。对由于温度变化偶尔产生的凝露应采取特殊的措施;

污染等级: 3级

安装类别: II类

Normal working condition

Air temperature range: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$, the average temperature: $\leq +35^{\circ}\text{C}$;
Altitude height no more than 2000m in used place;

Air condition when the highest temperature is $+40^{\circ}\text{C}$, relative humidity is no more than 50%. Allowed to have higher relative humidity under lower. For example, when $+20^{\circ}\text{C}$, the relative humidity is 90%. Furthermore, considering that it sometimes appears moderate condensation on product's surface;

Class of pollution: 3;

Class of installation: II.

结构与性能

金属按钮采用防窜动操作头, 按钮不能从正面拆下;

所有触点都有切换电路和自洁的双重作用, 在低电压和小电流(5V, 5mA)使用中仍然能保证接触的可靠性;

常开和常闭接触组互相独立, 使用时可按需要进行组合, 便于更换;
隐蔽式接线端子, 更加安全可靠。金属头式按钮操作头及其基座采用锌铝合金, 外型美观, 坚固;

带灯按钮及信号灯统一采用BA9s灯座, 可按需要选用不同灯源。

Structure & character

Metal pushbutton use anti-drunkness operation head, you can't tear it down from front;

All the contacts have both functions of alternating circuit and self-cleaning, it can keep stability in low-voltage and small current 15V, 5mA;
No and NC contact group are independent, you can combine them while using them;

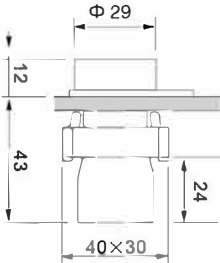
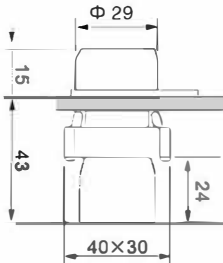
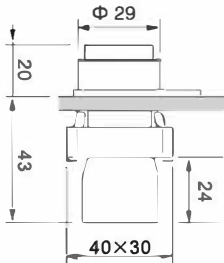
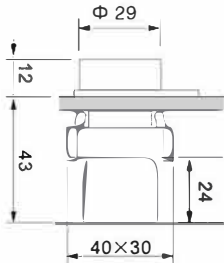
Connecting terminal are very safe. Metal operation pushbutton and its base are beautiful and firm because their alloy is aluminum;

Pushbutton with light and indicator use BA9s lamp holder, we can use different light source for different demand.

LA110-B₂ 系列按钮

Button series



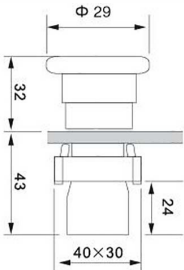
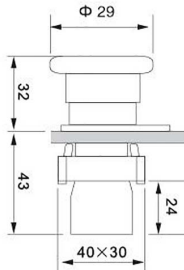
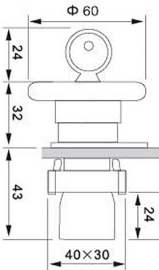
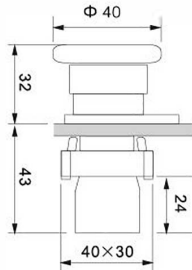
名 称 Name	一般钮 Push button	防污钮 Anti-fouling button	高位钮 High-order button	标志钮 Mark button
样 式 Style				
运行状态 Operating Condition	瞬时型 Instantaneous type	瞬时型 Instantaneous type	瞬时型 Instantaneous type	瞬时型 Instantaneous type
型 号 Model	LA110-B2-BA21 LA110-B2-BA31 LA110-B2-BA42 LA110-B2-BA11 LA110-B2-BA51 LA110-B2-BA61 LA110-B2-BA22	LA110-B2-BP21 LA110-B2-BP31 LA110-B2-BP42 LA110-B2-BP51 LA110-B2-BP61	LA110-B2-BL21 LA110-B2-BL31 LA110-B2-BL42 LA110-B2-BL51 LA110-B2-BL61 LA110-B2-BL22	LA110-B2-BA3361 LA110-B2-BA3341 LA110-B2-BA3351 LA110-B2-BA4322 LA110-B2-BA3311 LA110-B2-BA4342
颜 色 Color	红 绿 黄 白 蓝 黑 R G Y W B K	红 绿 黄 蓝 黑 R G Y B K	红 绿 黄 蓝 黑 R G Y B K	红 绿 黑 白 R G K W
外型尺寸 Outline Dimensions				

说明

高位钮带标志的

Remarks

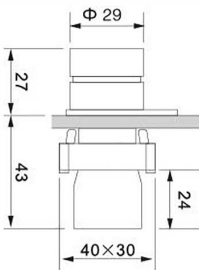
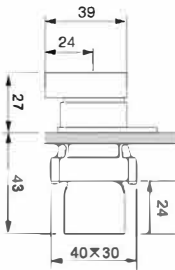
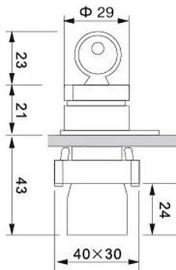
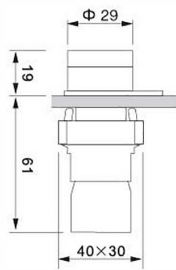
The high-order has mark.

名 称 Name	蘑菇钮 Mushroom push button	紧急钮 Emergency push button	带钥匙紧急钮 Key emergency turn button	推拉式紧急钮 Push and pull type emergency button
样 式 Style				
运行状态 Operating Condition	瞬时型 Instantaneous type	按压锁定，顺时针转复位 Press to lock twist clockwise to release	按压锁定，钥匙顺时针转复位 Press to lock twist clockwise key to release	按压锁定，拔出复位 press locking, evulsion resetting
型 号 Model	LA110-B2-BC21 LA110-B2-BC31 LA110-B2-BC41 LA110-B2-BC51 LA110-B2-BC61 LA110-B2-BC21 LA110-B2-BC42	LA110-B2-BS442 LA110-B2-BS542 LA110-B2-BS642	LA110-B2-BS142 LA110-B2-BS242 LA110-B2-BS742	LA110-B2-BT42 LA110-B2-BX42
颜 色 Color	(BC) 红 绿 黄 R G Y (BR) 红 黑 R K	红 R	红 R	红 R
外型尺寸 Outline Dimensions				

LA110-B₂ 系列按钮

Button series



名 称 Name	短柄旋钮 Shout handle turn button	长柄旋钮 Long handle turn button	钥匙钮 Key button	带灯按钮 Tun button with light
样 式 Style				
运行状态 Operating Condition	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type	瞬动型 Instantaneous type
型 号 Model	LA110-B2-BD21 LA110-B2-BD33 LA110-B2-BD41 LA110-B2-BD25 LA110-B2-BD45 LA110-B2-BD53	LA110-B2-BJ21 LA110-B2-BJ33 LA110-B2-BJ41 LA110-B2-BJ25 LA110-B2-BJ45 LA110-B2-BJ53	LA110-B2-BG21 LA110-B2-BG33 LA110-B2-BG41 LA110-B2-BG25 LA110-B2-BG45 LA110-B2-BG53	LA110-B2-BW3361 LA110-B2-BW3462 LA110-B2-BW3561 LA110-B2-BW3661 LA110-B2-BW3662
颜 色 Color	红 绿 黄 白 蓝 黑 R G Y W B K	红 绿 黄 蓝 黑 R G Y B K		红 绿 黄 蓝 黑 R G Y B K
外型尺寸 Outline Dimensions				

说明

带灯按钮提供直接式如需电阻或变压器需要特殊订货；

带灯按钮提供氖泡作为光源，也可以提供LED灯珠，订货时如不说明，我们将提供氖泡。

Remarks

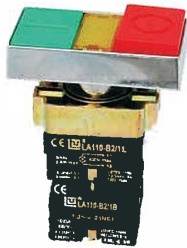
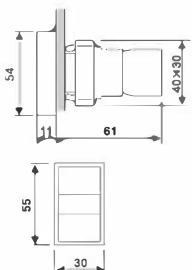
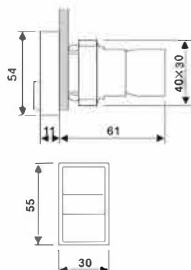
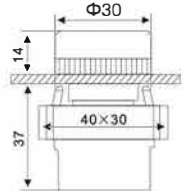
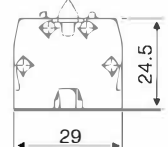
The button with lamp just has direct type.the separately/special order is required provided customer needs resistance type or volt transformer type;

The button with lamp takes neon tube as light source,also the LED bulb can be provided as light source,provided customer doesn't give special explanation, we would give neon tube.

LA110-B₂ 系列按钮

Button series



名 称 Name	双位按钮 Two position push button	双位带灯按钮 Two position push button with light	信号灯 Indicator lamp	触点 Contact
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type	瞬动型 Instantaneous type		常开接触组 NO contact group 常闭接触组 NC contact group
型 号 Model	LA110-B2-BL8425 LA110-B2-BL8325 LA110-B2-BL9325 LA110-B2-BL9425	LA110-B2-BW8365 LA110-B2-BW8465 LA110-B2-BW8375 LA110-B2-BW8475 LA110-B2-BW8345 LA110-B2-BW	LA110-B2-BV63 LA110-B2-BV64 LA110-B2-BV65 LA110-B2-BV66 LA110-B2-BV61	LA110-B2/1A LA110-B2/1B
颜 色 Color	红 / 绿 R / G	红 / 绿 R / G	红 绿 黄 白 蓝 R G Y W B	
外型尺寸 Outline Dimensions				

说明

带灯按钮提供直接式如需电阻或变压器需要特殊订货；

带灯按钮提供氖泡作为光源，也可以提供LED灯珠，订货时如不说明，我们将提供氖泡。

Remarks

The button with lamp just has direct type.the separately/special order is required provided customer needs resistance type or volt transformer type;

The button with lamp takes neon tube as light source,also the LED bulb can be provided as light source,provided customer doesn't give special explanation, we would give neon tube.

型号 Model

LA110 — B₄ — 1 2 3 4

设计序号
Design order

按钮代号及序号由上海电器科学研究所颁发。
Button code and serial no is issued by shanghai electrical appliance science

- 1** 头部与触点的连接方式
The connection type of head and contact

2 结构分类 Textural claddification	3 派生品种 Derivation type	4 规格代号 Size number	
A:平钮 A:Flat button P:防污钮 P:Anti-fouling button L:高位钮 L:High-order button	1:白 white 2:黑 black 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue	1: 常开 NO 2: 常闭 NC 3: 二常开 two NO 4: 二常闭 twoNC 5: 常开+常闭 NO+NC	注: 标志钮. Mark button. ① BA(L)3311 ② BA(L)3361 ③ BA(L)3341 ④ BA(L)3351 ⑤ BA(L)4322 ⑥ BA(L)4342
C: Φ40蘑菇头自复钮 C: Φ40mushroom self-reset button R: Φ60蘑菇头自复钮 R: Φ60mushroom self-reset button	2:黑 black 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue		
S: 蘑菇头自锁, 转动复位 S: Mushroom self-lock reset after turning	4: Φ30 5: Φ40 6: Φ60	4:红 red	2: 常闭 NC
S: 蘑菇头自锁, 钥匙顺时转复位 S: Mushroom self-lock with key to release	7: Φ30 84: Φ40 1: Φ40 94: Φ60 2: Φ60	4:红 red	2: 常闭 NC
T: Φ40推拉式紧急钮 T: Φ40Push and pull type emergency button X: Φ60推拉式紧急钮 X: Φ60 Push and pull type emergency button		2:黑 black 3:绿 green	2: 常闭 NC 5: 常开+常闭 NO+NC
D:短柄旋钮 D: Short handle turn button J:长柄旋钮 J: Long handle turn button K:带灯旋钮 K: Turn button with light G:钥匙钮 G: Key button	2:二位置锁定 Two position lock 3:三位置锁定 Three position lock 4:二位置复位 self rest on the two position 5:三位置复位 self rest on the three position 7:右锁左复位 Right-lock left-reset 8:左锁右复位 left-lock right-reset		1: 常开 NO 2: 常闭 NC 3: 二常开 two NO 4: 二常闭 twoNC 5: 常开+常闭 NO+NC
L8:双位按钮 L8:Two position push button L9:双位按钮, 带防护罩 L9: Two position push button with protection	3:一般钮 Push button 4:一般钮+高钮 带标志 Push button+high button		2:双位按钮 Two position push button
W8:双位带灯按钮 W8:Two position push button with light			5:常开+常闭 NO+NC
W3:带灯按钮 W3:position with light	1:白 white 2:黑 black 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue		B: LED 24V G: LED48-120V M: LED230-240V 6: 直接式 ≤250V Flat type ≤250V 7: 电阻式 Resistance type 4: 变压器式 Trans former type
v:信号灯 Indicator lamp	B: LED 24V G: LED48-120V M: LED230-240V 6: 直接式 ≤250V Flat type ≤250V 7: 电阻式 Resistance type 4: 变压器式 Trans former type	1:白 white 3:绿 green 4:红 red 5:黄 yellow 6:蓝 blue	
BE:附件 (无结构分类号) Annex (no structure & class)	101:常开接触组 NO contact group 102:常闭接触组 NC contact group		

主要技术参数 Main technological parameter

额定绝缘电压 U_i (V)	400				
约定发热电流 I_{th} (A)	10				
工频耐压 Withstand voltage	2500V AC, 1分钟 One minute				
触点电阻 Contact resistance	$\leq 50m\Omega$ (初始值), (initial value)				
机械寿命 mechanical life	平头式、蘑菇头式100万次, 带灯式30万次, 其它10万次 Flat type, mushroom type 1000,000, double-heads type 300,000 AC 100,000				
电寿命 Electrical life	平头式、蘑菇头式、双头式AC50万次, DC20万次, 其余10万次 Flat type, mushroom type, double-heads type AC 500,000 DC 200,000 other 200,000				
防护等级 Level of protection	IP40				
额定工作电压 U_e (V)	380	220	110	48	24
额定工作电流 I_e (A)	AC-15	2.5	4.5	6	8
	DC-13	—	0.3	0.6	1.3

额定电压 Rated voltage (V)	直接式 Direct type							电阻式 Resistance type	变压器式 Transformer type
	6	12	24	48	110	220	380	220	220 380
点光源 Light source									
LED灯 LED light	✓	✓	✓	—	—	—	—	—	✓ ✓
氖灯 Neon lamp	—	—	—	—	✓	✓	✓	✓	— —
白炽灯 Incandescence light	✓	✓	✓	✓	✓	✓	✓	—	✓ ✓

正常工作条件

周围空气温度位 $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$, 24小时内其平均值不超过 $+35^{\circ}\text{C}$;

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污染等级: 3级

安装类别: II类

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结构与性能

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所有触点都有切换电路和自洁的双重作用, 在低电压和小电流(5V, 5mA)使用中仍然能保证接触的可靠性;

常开和常闭接触组互相独立, 使用时可按需要进行组合, 便于更换;
隐蔽式接线端子, 更加安全可靠。金属头式按钮操作头及其基座采用锌铝合金, 外型美观, 坚固;

带灯按钮及信号灯统一采用BA9s灯座, 可按需要选用不同光源。

Structure & character

Metal pushbutton use anti-drunkness operation head, you can't tear it down from front;

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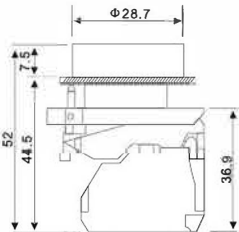
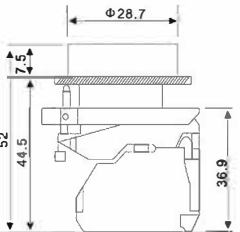
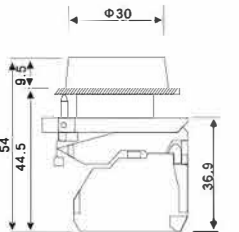
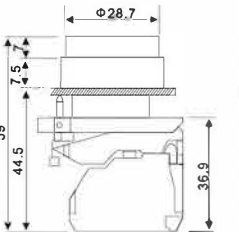
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LA110-B₄ 系列按钮

Button series



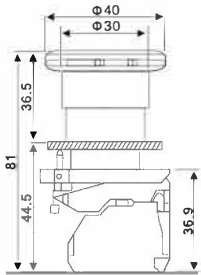
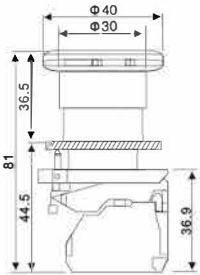
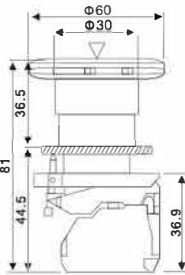
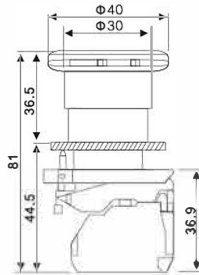
名 称 Name	一般钮 Push button	标志钮 Mark button	防污钮 Anti-fouling button	高位钮 High-order button
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type	瞬动型 Instantaneous type	瞬动型 Instantaneous type	瞬动型 Instantaneous type
型 号 Model	LA110-B ₄ -BA21 LA110-B ₄ -BA31 LA110-B ₄ -BA42 LA110-B ₄ -BA25 LA110-B ₄ -BA35 LA110-B ₄ -BA45 LA110-B ₄ -BA11 LA110-B ₄ -BA51 LA110-B ₄ -BA61 LA110-B ₄ -BA22 LA110-B ₄ -BA55 LA110-B ₄ -BA65	LA110-B ₄ -BA3361 LA110-B ₄ -BA3341 LA110-B ₄ -BA3351 LA110-B ₄ -BA3322 LA110-B ₄ -BA3342 LA110-B ₄ -BA3311	LA110-B ₄ -BP21 LA110-B ₄ -BP31 LA110-B ₄ -BP42 LA110-B ₄ -BP25 LA110-B ₄ -BP35 LA110-B ₄ -BP45 LA110-B ₄ -BP51 LA110-B ₄ -BP61 LA110-B ₄ -BP55 LA110-B ₄ -BP65	LA110-B ₄ -BL21 LA110-B ₄ -BL31 LA110-B ₄ -BL42 LA110-B ₄ -BL25 LA110-B ₄ -BL35 LA110-B ₄ -BL45 LA110-B ₄ -BL51 LA110-B ₄ -BL61 LA110-B ₄ -BL55 LA110-B ₄ -BL
颜 色 Color	红 绿 黑 白 黄 蓝 R G K W Y B	红 绿 黑 白 黄 蓝 R G K W Y B	红 绿 黑 黄 蓝 R G K Y B	红 绿 黑 白 R G K W
外型尺寸 Outline Dimensions				

说明

高位钮也有带标志的

Remarks

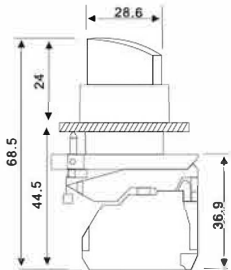
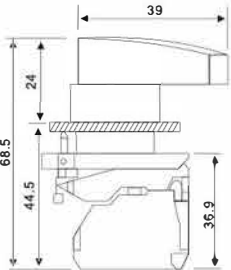
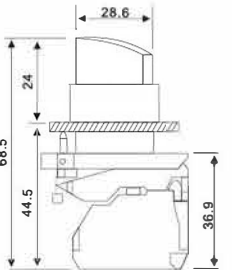
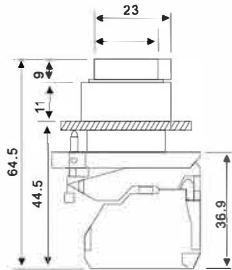
The high-order has mark.

名 称 Name	蘑菇钮 Mushroom push button	紧急钮 Emergency push button	带钥匙紧急钮 Key emergency turn button	推拉式紧急钮 Push and pull type emergency button
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type	按压锁定，顺时针转复位 Press to lock twist clockwise to release	按压锁定，钥匙顺时针转复位 Press to lock twist clockwise key to release	按压锁定，拔出复位 press locking, evulsion resetting
型 号 Model	LA110-B ₄ -BC21 LA110-B ₄ -BC42 LA110-B ₄ -BC31 LA110-B ₄ -BC51 LA110-B ₄ -BC61 LA110-B ₄ -BC21 LA110-B ₄ -BC42 LA110-B ₄ -BC31 LA110-B ₄ -BC51 LA110-B ₄ -BC61	LA110-B ₄ -BS542 LA110-B ₄ -BS442 LA110-B ₄ -BS642 LA110-B ₄ -BS8445 LA110-B ₄ -BS8345 LA110-B ₄ -BS8645	LA110-B ₄ -BS142 LA110-B ₄ -BS742 LA110-B ₄ -BS242	LA110-B ₄ -BT21 LA110-B ₄ -BT42 LA110-B ₄ -BX21 LA110-B ₄ -BX42
颜 色 Color	(BC) 红 绿 黄 蓝 黑 R G Y B K (BR) 红 黑 R K	红 R	红 R	红 R
外型尺寸 Outline Dimensions				

LA110-B4 系列按钮

Button series



名 称 Name	短柄旋钮 Short handle turn button	长柄旋钮 Long handle turn button	带灯按钮 Turn button with light	钥匙钮 Key button
样 式 Style				
运行状态 Operating Condition	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type
型 号 Model	LA110-B4-BD21 LA110-B4-BD33 LA110-B4-BD41 LA110-B4-BD25 LA110-B4-BD45 LA110-B4-BD03 LA110-B4-BD53 LA110-B4-BD73 LA110-B4-BD83	LA110-B4-BJ21 LA110-B4-BJ33 LA110-B4-BJ41 LA110-B4-BJ25 LA110-B4-BJ45 LA110-B4-BJ03 LA110-B4-BJ53 LA110-B4-BJ73 LA110-B4-BJ83	LA110-B4-BK12 ■ ■ LA110-B4-BK13 ■ ■ LA110-B4-BK14 ■ ■ LA110-B4-BK15 ■ ■ LA110-B4-BK17 ■ ■ LA110-B4-BK18 ■ ■	LA110-B4-BG21 LA110-B4-BG33 LA110-B4-BG41 LA110-B4-BG25 LA110-B4-BG45 LA110-B4-BG53 LA110-B4-BG73 LA110-B4-BG83
颜 色 Color	黑 K	黑 K	红 绿 黄 蓝 黑 R G Y B K	
外型尺寸 Outline Dimensions				

说明

带灯按钮型号 ■ 填颜色 ■ 填电压；

带宁按钮提供整体式LED，如需直接式，电阻式，变压器式，需特殊订货。

Remarks

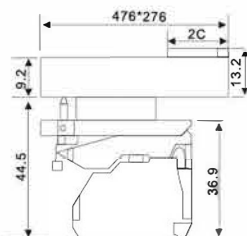
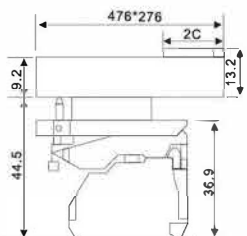
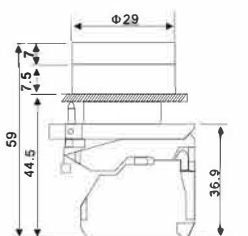
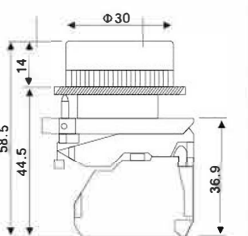
Model of knob with lamp ■ fill colour ■ fill volt;

The knob with lamp can provide entirety type LED light source, provided need directly type. resistance type. volt transformer type. customer should conduct order separately.

LA110-B4 系列按钮

Button series



名 称 Name	双位按钮 Two position push button	双位带灯按钮 Two position push button with light	带灯按钮 Turn button with light	信号灯 Indicator lamp
样 式 Style				
运行状态 Operating Condition	瞬时型 Instantaneous type	瞬时型 Instantaneous type	瞬时型 Instantaneous type	
型 号 Model	LA110-B4-BL845 LA110-B4-BL945 LA110-B4-BL835 LA110-B4-BL935	LA110-B4-BW8365 LA110-B4-BW8465	LA110-B4-BW33B5 (G5.M5) LA110-B4-BW34B5 (G5.M5) LA110-B4-BW31B5 (G5.M5) LA110-B4-BW35B5 (G5.M5) LA110-B4-BW36B5 (G5.M5)	LA110-B4-BVB3.41.5.6 LA110-B4-BVG3.41.5.6 LA110-B4-BVM3.41.5.6 LA110-B4-BV63.41.5.6 LA110-B4-BV33.41.5.6 LA110-B4-BV43.41.5.6
颜 色 Color	红 / 绿 R / G	红 / 绿 R / G	红 绿 黄 蓝 黑 R G Y B K	红 绿 黄 白 蓝 R G Y W B
外型尺寸 Outline Dimensions				

说明

信号灯、带灯按钮和双位带灯按钮提供整体式LED，如需直接式、电阻式、变压器式，需特殊订货。

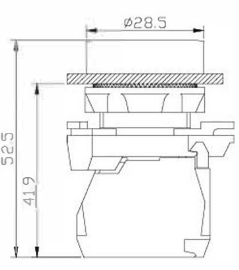
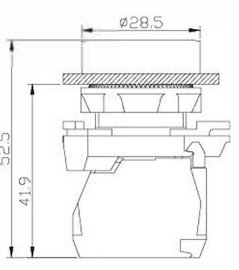
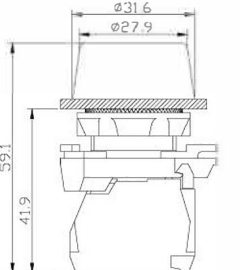
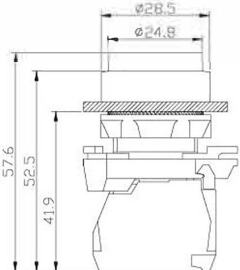
Remarks

The signal lamp, button with lamp and dibit button with lamp provided entirety type LED lightsource, provided need directly type, resistance and volt transformer type, customer should conduct order separately.

LA110-B5 系列按钮

Button series



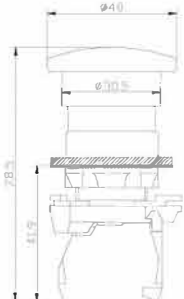
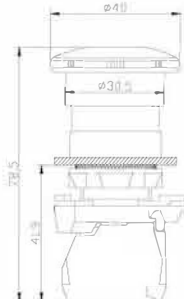
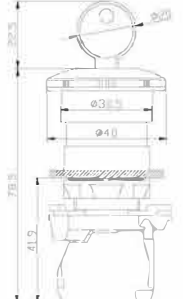
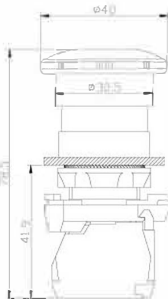
名 称 Name	一般按钮 Push button	标志按钮 Mark button	防污按钮 Anti-fouling button	高位按钮 High-order button
样 式 Style				
运行状态 Operating Condition	瞬时型 Instantaneous type	瞬时型 Instantaneous type	瞬时型 Instantaneous type	瞬时型 Instantaneous type
型 号 Model	LA110-B5-AA21 LA110-B5-AA31 LA110-B5-AA42 LA110-B5-AA51 LA110-B5-AA61 LA110-B5-AA25 LA110-B5-AA35 LA110-B5-AA45	LA110-B5-AA3341 LA110-B5-AA3351 LA110-B5-AA3361 LA110-B5-AA4322 LA110-B5-AA4342 LA110-B5-AA3311	LA110-B5-AP21 LA110-B5-AP31 LA110-B5-AP42 LA110-B5-AP11 LA110-B5-AP51 LA110-B5-AP61	LA110-B5-AL21 LA110-B5-AL31 LA110-B5-AL42 LA110-B5-AL51 LA110-B5-AL61
颜 色 Color	红 绿 黑 黄 蓝 R G K Y B	红 绿 黑 白 黄 蓝 R G K W Y B	红 绿 白 黑 黄 蓝 R G W K Y B	红 绿 黑 黄 蓝 R G K Y B
外型尺寸 Outline Dimensions				

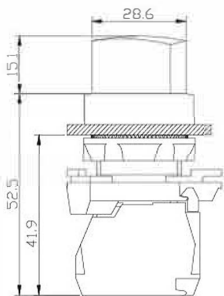
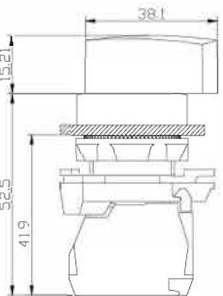
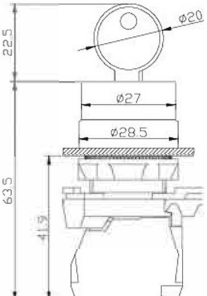
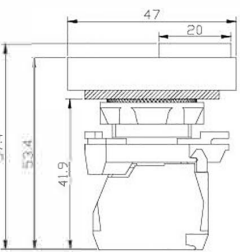
说明

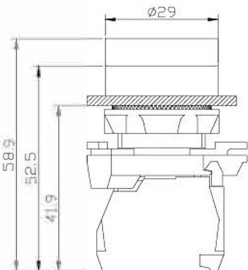
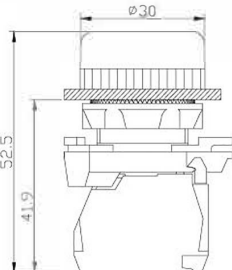
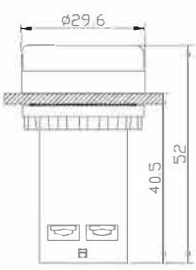
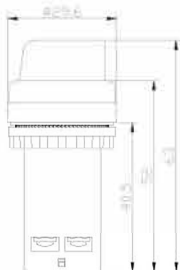
高位按钮也有带标志的

Remarks

The high-order has mark.

名 称 Name	蘑菇钮 Mushroom push button	紧急钮 Emergency push button	带钥匙紧急钮 Key emergency turn button	推拉式紧急钮 Push and pull type emergency button
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type	按压锁定，顺时针转复位 Press to lock twist clockwise to release	按压锁定，钥匙顺时针转复位 Press to lock twist clockwise key to release	按压锁定，拔出复位 press locking, evulsion resetting
型 号 Model	LA110-B5-AC42 LA110-B5-AC21 LA110-B5-AC31	LA110-B5-AS542	LA110-B5-AS142 LA110-B5-AS8445 LA110-B5-AS6645	LA110-B5-AT42 LA110-B5-AT45
颜 色 Color	红 绿 黑 R G K	红 R	红 R	红 R
外型尺寸 Outline Dimensions				

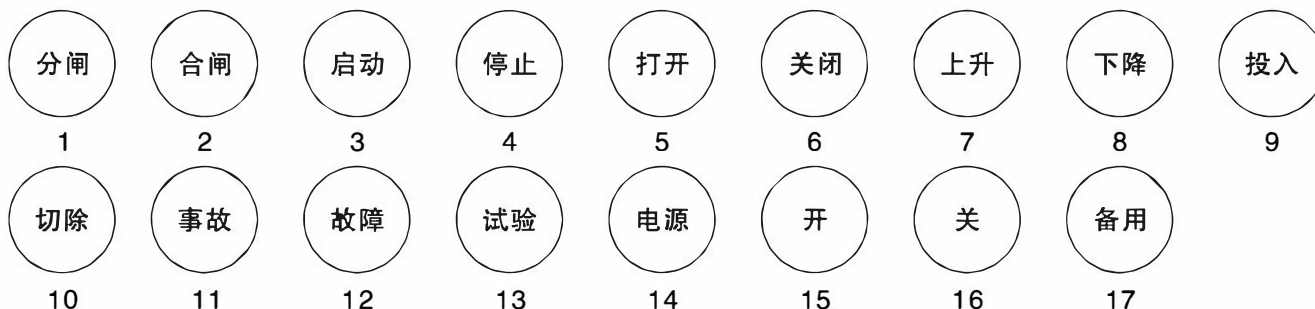
名 称 Name	短柄旋钮 Short handle turn button	长柄旋钮 Long handle turn button	钥匙钮 Key button	双位按钮 Two position push button
样 式 Style				
运行状态 Operating Condition	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type	自锁型 Self-locking type 自复型 Self-reset type	瞬动型 Instantaneous type
型 号 Model	LA110-B5-AD21 LA110-B5-AD33 LA110-B5-AD41 LA110-B5-AD53	LA110-B5-AJ21 LA110-B5-AJ33 LA110-B5-AJ25 LA110-B5-AJ41 LA110-B5-AJ45 LA110-B5-AJ53	LA110-B5-AG21 LA110-B5-AG33 LA110-B5-AG43 LA110-B5-AG25 LA110-B5-AG53 LA110-B5-AG63	LA110-B5-AL8365 LA110-B5-AL9445
颜 色 Color	黑 K	黑 K	黑 K	红 / 绿 R / G
外型尺寸 Outline Dimensions				

名 称 Name	双位带灯按钮 Two position push button with light	带灯按钮 Turn button with light	信号灯 Indicator lamp	经济型按钮
样 式 Style				
运行状态 Operating Condition	瞬动型 Instantaneous type	瞬动型 Instantaneous type	自锁型 Self-locking type 自复型 Self-reset type	
型 号 Model	LA110-B5-AW33M5 LA110-B5-AW34M5 LA110-B5-AW31M5 LA110-B5-AW35M5 LA110-B5-AW36M5	LA110-B5-AV63 LA110-B5-AV64 LA110-B5-AV61 LA110-B5-AV65 LA110-B5-AV66	LA110-A2-11J LA110-A2-11JT	LA110-A2-11XJ LA110-A2-20XSJ LA110-A2-11XJ/fu LA110-A2-20XSJ/fu
颜 色 Color	红 / 绿 R / G	红 绿 黄 白 黑 R G Y W K	红 绿 黄 白 蓝 R G Y W B	红 / 绿 R / G
外型尺寸 Outline Dimensions				

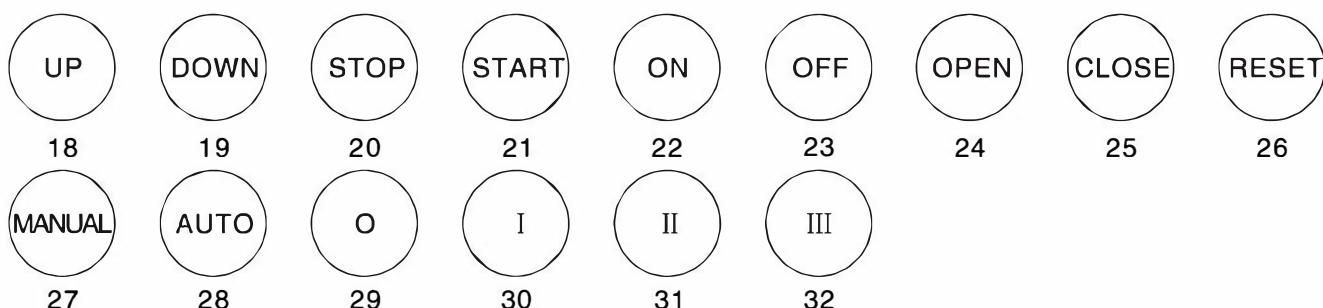
附件 ACCESSORIES

图样 Picture	名称 Name	尺寸 Size	说明 Remarks
	标牌框 Brand frame	25 × 11 25 × 18	安装在 $\phi 22$ 的指示灯、按钮上作符号指示或文字说明用。 抽出式结构，可更换标志纸。 Hang it on the push button or $\phi 22$ pilot light, for symbol or text explanation. Structure of putting put, which can change signed paper
	面板塞 Panel plug	$\phi 22$	用于装饰预留孔或多余孔 Used for decorating pre-mode hole or excess hole
	安装板 (适用A型) Installation plate	$\phi 22$	机箱面板材料为塑料时加安装板以提高强度 When panel material of maceina case is plastic, the installation plate should be added for arising strength
	带灯机构 Structure with lamp		适用于A1 A2型带灯按钮 Applicable for A1 A2 button with lamp
	LED灯珠 LED bulb	$\phi 9$	适用于B2型带灯按钮代替氖泡 Applicable for emergency button, adding caution function
	警告圈 Alarm circle	$\phi 40$ $\phi 60$ $\phi 90$	适用于紧急按钮增加警示功能 Applicable for emergency button, adding caution function
	保护圈 Protection circle	$\phi 60$	安装在按钮头部，防撞，防误动 Installed onto hesd of button, anti collision or error operating
	安装扳手 Installation plate	$\phi 22$ 信号灯 $\phi 22$ signal lamp	适用于安装指示灯.可提高安装效力和降低安装强度 Applicable for instaling indicator light. Which increases installation effcacy and decreases installation strength
	双边基座 Double-side base	11 20 02	适用于A1 A2型按钮 Applicable for A1 A2 button
	单边基座 One-side base	01 10	适用于A1 A2型按钮 Applicable for A1 A2 button
	基座 Base	10 01	适用于B2型按钮 Applicable for B2 button
	基座 Base	10 01	适用于B4型按钮 Applicable for B4 button
	变径圈 Size-change circle	$\phi 25$ $\phi 30$	可将 $\phi 22$ 指示灯安装在 $\phi 25$ $\phi 30$ 的孔上 The $\phi 22$ indicator light can be installed onto $\phi 25$ $\phi 30$ hole

中文符号 Chinese symbols



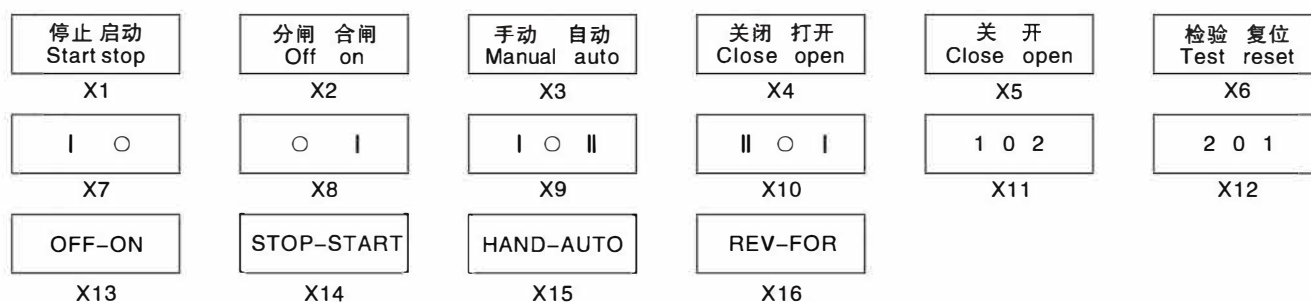
标准符号 Standard symbols



ISO符号 ISO Symbols



旋钮标牌板或标牌框印字 Typing in knob brand board or brand frame



型号及含义 Model and implication

LA110 —22—□/□□□

- 指示灯需要抗干扰标注“K” Marking out “K” when indicator need anti-inteefere
- 电压代码 (用二为数字表示) Voltage code (use 2-digit figure)
- 指示灯颜色: r红、g绿、y黄、w白、b蓝 Color of pilot light:red ,green,yellow,white,blue,orange
- 辅助规格代号 (用BS CS DS ES.....表示不同的外型及功能)
Auxiliary specification code(adopt BS CS DS ES.....for representing different appearance and function)
- 基本规格代号 (表示颈部尺寸) Basis code (for top dimension)
- 信号灯型号 (由上海电器科学研究所发放上海海尤提乐电气有限公司专用)
Type (approved by Shanghai Electrical Appliance Scientific Research institution, monopoly for Shanghai UTL Electrical CO.LTD.)

主要技术指标

- 1、工频耐压: 2.5KV (交流有效值), 1min。
- 2、绝缘电阻 $\geq 2M\Omega$
- 3、交流指示灯允许电压波动 $\pm 20\%$
- 4、连续工作寿命 ≥ 30000 小时
- 5、光亮度 $\geq 100cd/平方$
- 6、相比漏电起痕指数 $CT1 \geq 100$
- 7、头部防护等级IP65, 可定制IP67
- 8、使用频率AC50~60Hz

Technical data

- 1、Power frequency withstand voltage: 2.5KV/1min (effective AC value)
- 2、Insulation resistance: $\geq 2m\Omega$
- 3、Allowable voltage fluctuation: $\pm 20\%$
- 4、Continuous operating life: $\geq 30000h$
- 5、Brightnesse: $\geq 100cd/平方$
- 6、 $CT1 \geq 100$
- 7、Protection degree of the head IP 65,IP67 is available on request.
- 8、Applying frequency:AC50~60Hz

适用环境

- 1、环境温度: $-25^{\circ}C \sim +55^{\circ}C$;
- 2、空气相对湿度 $\leq 98\%$;
- 3、在振动频率为2~80Hz加速度0.7g下能正常工作;
- 4、污染等级为3级, 安装类别为Ⅲ类;
- 5、有“TH”标志的能在湿热带环境下工作。

Working condition

- 1、Ambient temperature: $-25^{\circ}C \sim +55^{\circ}C$;
- 2、Relative humidity: $\leq 98\%$;
- 3、Normally workable when vibrational frequency is 2~80Hz with acceleration 0.7g;
- 4、Pollution degree is 3, installs group is Ⅲ;
- 5、“TH” marked can work at damp-heat environment.

LA108-22 系列信號燈

Indicator light



名 称 Name	B型信号灯 B type Indicator light	C型信号灯 C type Indicator light	D型信号灯 D type Indicator light	E型信号灯 E type Indicator light
样 式 Style				
型 号 Model	AD108-22BS/■	AD108-22CS/■	AD108-22DS/■	AD108-22ES/■
灯电压 Light Voltage	31-AC 220V 32-AC 380V 23-DC.AC 24V 21-DC.AC 6V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC 220V 29-FD 380V	31-AC 220V 32-AC 380V 23-DC.AC 24V 21-DC.AC 6V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC 220V 29-FD 380V	31-AC 220V 32-AC 380V 23-DC.AC 24V 21-DC.AC 6V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC 220V 29-FD 380V	31-AC 220V 32-AC 380V 23-DC.AC 24V 21-DC.AC 6V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC 220V 29-FD 380V
颜 色 Color	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B
外型尺寸 Outline Dimensions				

说明

超短型指示灯适合于安装空间较为狭小的地方；

所有指示灯均使用于孔Φ22.Φ25，无须增加附件；

所有信号灯均采用高亮度LED光源；

DC电源的指示灯可使用于AC电源；

因散热条件关系，DC220V以上和放电灯无超短型，我们将提供普通信号灯和放电灯

型号一位的由中括号表示，二位由大括号表示

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Remarks

The ultra-short type is suitable for installing in a narrow space;

All lights are suitable for mounting holes Φ22. Φ25 without additional accessories;

All the signal lamp should adopt high-luminance LED light source;

DC power supply can be replaced by AC;

For heat dissipation condition, the electric discharge lamp and over DC220V has no super-short type, so we could provide common signal lamp and common discharge lamp.

Please state colour in and voltage category code in.

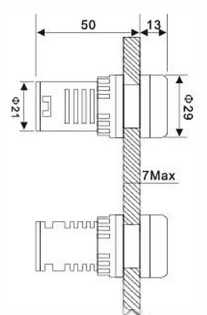
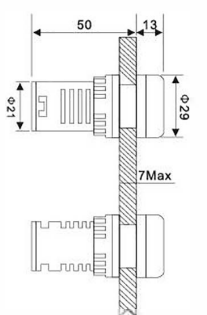
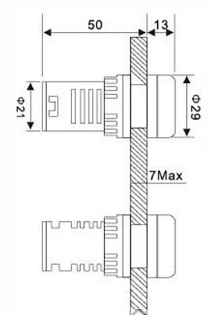
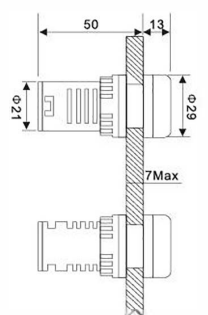
tel. 02.3361.1626 info@elitaliaweb.it
fax 02.2626.1009 www.elitaliaweb.it

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LA108-22 系列信號燈

Indicator light



名 称 Name	蜂鸣器 Buzzer	闪光蜂鸣器 FLASH buzzer	闪光灯 Flash light	抗干扰信号灯 Anti-interference indicator light
样 式 style				
型 号 Model	AD108-22FM/■	AD108-22SM/■	AD108-22S/■	AD108-22□/K■
灯电压 Light Voltage	31-AC 220V 23-DC.AC 24V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.AC 220V 32-AC 380V	31-AC 220V 23-DC.AC 24V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.AC 220V 32-AC 380V	31-AC 220V 23-DC.AC 24V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.AC 220V 32-AC 380V	31-AC 220V 23-DC.AC 24V 22-DC.AC 12V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.AC 220V 32-AC 380V
颜 色 color	黑 K	红 绿 黄 R G Y	红 绿 黄 白 蓝 R G Y W B	红 绿 黄 白 蓝 R G Y W B
外型尺寸 outline Dimensions				

说明

蜂鸣器为简短发音或闪光，阴凉为10cm/80分贝，电流15-20mA；

闪光灯，闪光蜂鸣器全部为纯色高亮度LED光源。

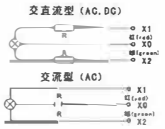
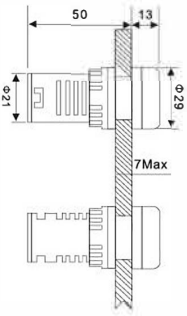
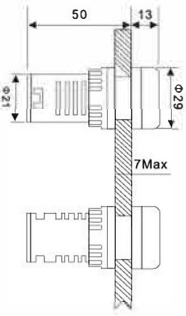
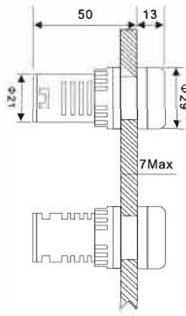
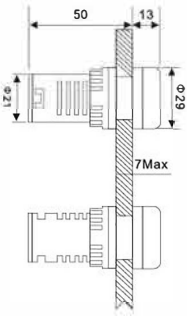
Remarks

Buzzer is intermitent sounding or flashing,with 10cm/80db,current 15-20mA;

Flash light and flash buzzer both are pure high illuminant LED light source.

LA108-22 系列按钮

Indicator light

名称 Name	双色灯 Double color indicator light	隔离刀闸位置指示器 Isolation brake position indicator	断路器位置指示器 Circuit breaker position indicator	接地位置指示器 Connect ground indicator
样式 style				
型号 Model	AD108-22SS	AD108-22W/G	AD108-22W/D	AD108-22W/N
灯电压 Light Voltage	31-AC 220V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.AC 220V 32-AC 380V	31-AC 220V 28-DC.AC 220V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 32-AC 380V	31-AC 220V 28-DC.AC 220V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 32-AC 380V	31-AC 220V 28-DC.AC 220V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 32-AC 380V
颜色 color	红 / 绿 R / G	红 / 绿 R / G	红 / 绿 R / G	红 R
电气原理图 Electrical principle diagram	 交流型 (AC, DC) 直流型 (AC)	X0X1通电时 发红光 X0X2通电时 发绿光 X0X1power on Red light X0X2power on Green light	X0X1通电时 发红光 X0X2通电时 发绿光 X0X1power on Red light X0X2power on Green light	X0X2通电时 发红光 X1X2power on Red light
外型尺寸 outline Dimensions				

说明

抗干扰信号灯一般门限值在40V以下如需更高的门限值另说明；

建议门限值不要太高，如干扰电压过高，请检查布线情况；

双色灯位置指示器全部为纯色高亮度LED光源。

Remarks

Anti-interference indicator normal threshold is under 40V, please indicate when higher one is needed;

Suggestion: please do not use higher threshold, if interference voltage is too high, please check the wire arrangement;

All double color position indicator are pure high illuminant LED light source.