

LA115按钮开关

适用范围

作为接通或断开接触器等电磁开关之用，它可广泛用于机床、纺织、印刷、轻工等机械及电力、铁路、传播等控制设备。

符合标准：GB/T 14048.5。



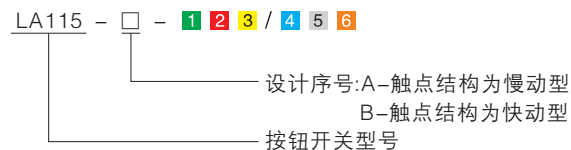
正常使用条件

- 周围空气温度：-25℃~+40℃；
- 海拔高度：≤2000m；
- 空气相对湿度：≤90%；
- 污染等级：Ⅲ级；
- 防护等级：IP65。

主要技术参数

- 开关额定值：
 - AC-15 36V/10A 110V/10A 220V/4.5A 380V/2.7A 600V/1.8A
 - DC-13 24V/4A 48V/4A 110V/2A 220V/0.6A 440V/0.6A
- 约定发热电流：I_{th} 10A。
- 触点电阻：≤50mΩ。
- 绝缘电阻：≥10mΩ。
- 机械寿命：一般钮≥100×10⁴次；旋钮≥30×10⁴次。
 钥匙钮≥5×10⁴次；紧急钮≥5×10⁴次。

型号含义



1 表示常开触头 NO

2 表示常闭触头 NC

3 表示机械形式

字母	含义	含义	字母
BN	平钮	HTD	带灯自锁凸钮
D	带灯钮	HF	高帽平钮
T	自锁钮	HFT	自锁高帽平钮
TD	带灯自锁钮	HFD	带灯高帽平钮
M	蘑菇钮	HFTD	带灯自锁高帽平钮
MD	带灯蘑菇钮	B	带符号平钮
MT	自锁蘑菇钮	BT	自锁带符号平钮
MTD	带灯自锁蘑菇钮	BD	带灯带符号平钮
ZT	旋转推拉式急停钮	BTD	带灯自锁带符号平钮
ZTD	带灯旋转推拉式急停钮	E	Ø30 自复平钮 (适用于Ø22-Ø30孔径)
ZF	旋转推拉式急停钮 (带文字标识)	ET	Ø30 自锁平钮 (适用于Ø22-Ø30孔径)
ZFD	带灯旋转推拉式急停钮 (带文字标识)	EB	Ø30 带符号自复平钮 (适用于Ø22-Ø30孔径)
Y	二位钥匙钮	EBT	Ø30 带符号自锁平钮 (适用于Ø22-Ø30孔径)
YS	三位钥匙钮	ED	Ø30 带灯自复平钮 (适用于Ø22-Ø30孔径)
X	二档旋钮	ETD	Ø30 带灯自锁平钮 (适用于Ø22-Ø30孔径)
XD	带灯二档旋钮	EBD	Ø30 带灯带符号自复平钮 (适用于Ø22-Ø30孔径)
XS	三档旋钮	EBTD	Ø30 带灯带符号自锁平钮 (适用于Ø22-Ø30孔径)
XSD	带灯三档旋钮	EH	Ø30 凸钮 (适用于Ø22-Ø30孔径)
R	双位钮	EHD	Ø30 带灯凸钮 (适用于Ø22-Ø30孔径)
RD	带灯双位钮	EHT	Ø30 自锁凸钮 (适用于Ø22-Ø30孔径)
H	凸钮	EHTD	Ø30 带灯自锁凸钮 (适用于Ø22-Ø30孔径)
HD	带灯凸钮	EX	Ø30 自锁二档旋钮 (适用于Ø22-Ø30孔径)
HT	自锁凸钮	EXS	Ø30 自锁三档旋钮 (适用于Ø22-Ø30孔径)

4 颜色

红	绿	黄	蓝	白	黑
R	G	Y	B	W	K

表2

动作功能		
f	fu	ffu
左自复	右自复	左右自复

表3

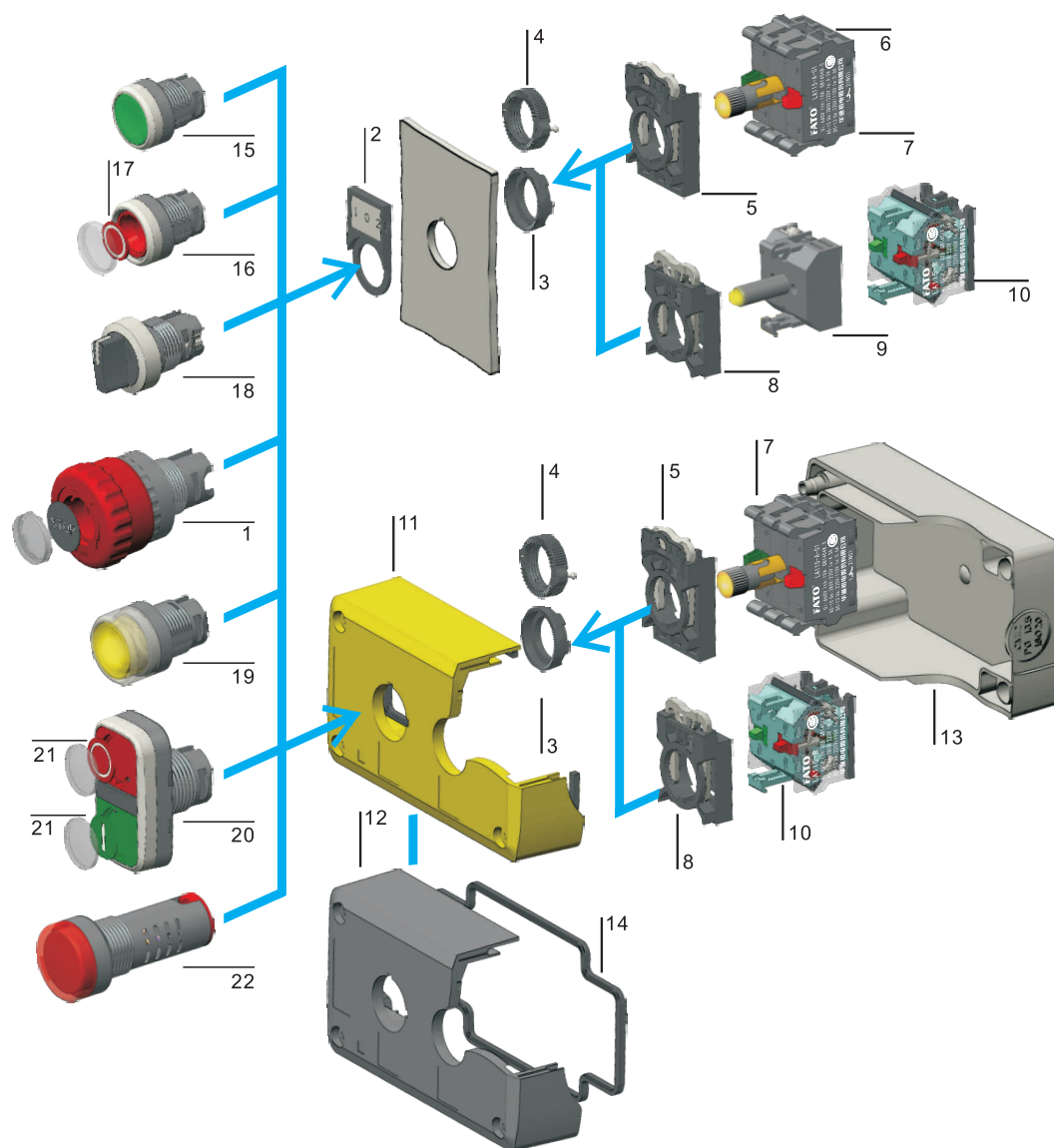
5 电压

21-DC.AC 6V	26-DC.AC 110V
22-DC.AC 12V	27-DC.AC 127V
23-DC.AC 24V	28-DC 220V
24-DC.AC 36V	31-AC 220V
25-DC.AC 48V	32-AC 380V

6 标致按钮符号代码

1	2	3	7	8	9
4	5	6	10	11	12

按钮信号灯结构组装图



元件注解

- | | | | | |
|---------|-----------|-----------|-----------|----------|
| 1.急停头 | 6.A型灯座 | 11.按钮盒黄色盖 | 16.带符号平钮头 | 21.双键钮标牌 |
| 2.标志框 | 7.A型触点模块 | 12.按钮盒灰色盖 | 17.按钮标牌 | 22.指示灯 |
| 3.紧固圈 | 8.B型中板 | 13.按钮盒白色座 | 18.旋钮头 | |
| 4.防松紧固圈 | 9.B型灯座 | 14.按钮盒密封圈 | 19.高平灯钮头 | |
| 5.A型中板 | 10.B型触点模块 | 15.平钮头 | 20.双键钮头 | |

按钮规格及外形尺寸

表4

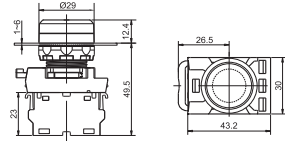
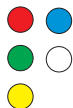
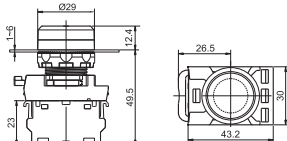
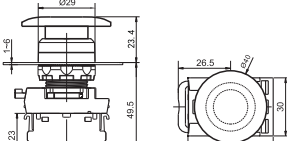
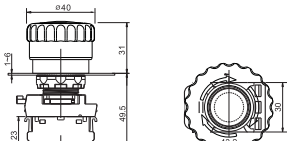
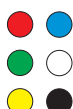
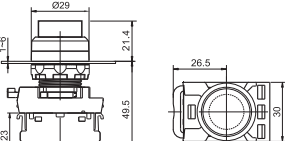
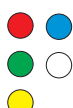
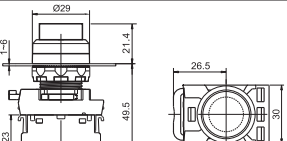
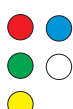
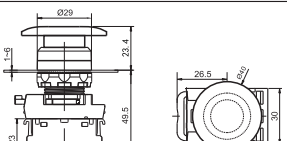
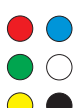
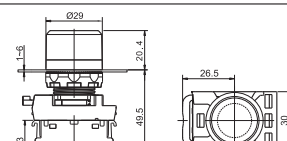
图例	产品型号	颜色	规格/样式	外形尺寸
IP65 	平钮: LA115-A-11BN/G 自锁钮: LA115-A-11T/G			
IP65 	带灯钮: LA115-A-11D/R 自锁钮: LA115-A-11TD/R			
IP65 	蘑菇钮: LA115-A-11M 自锁钮: LA115-A-11MT			
IP65 	旋转推拉式急停钮 (带文字标识): LA115-A-11ZF 带灯旋转推拉式急停钮 (带文字标识): LA115-A-11ZFD			
IP65 	凸钮: LA115-A-11D/R 自锁凸钮: LA115-A-11TD/R			
IP65 	带灯凸钮: LA115-A-11HD 自锁凸钮: LA115-A-11HTD			
IP65 	带灯蘑菇钮: LA115-A-11MD 带灯自锁蘑菇钮: LA115-A-11MTD			
IP65 	高帽平钮: LA115-A-11HF 自锁高帽平钮: LA115-A-11HFT			

表5

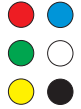
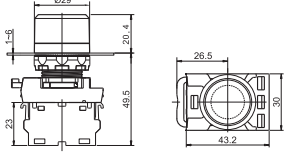
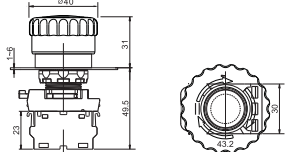
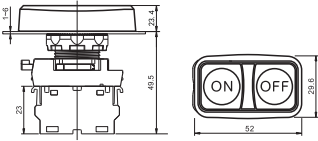
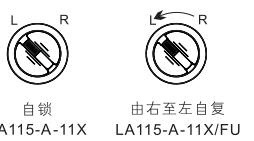
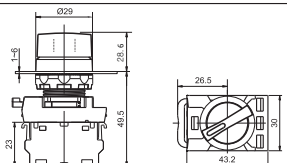
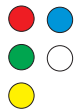
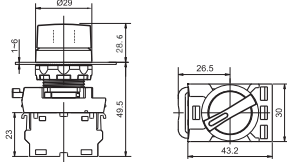
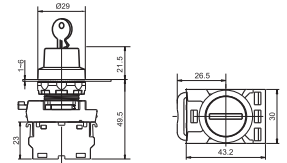
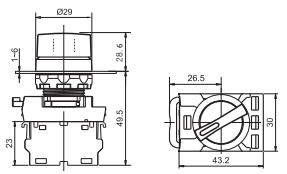
图例	产品型号	颜色	规格/样式	外形尺寸
IP65 	带灯高帽平钮: LA115-A-11HF 带灯自锁高帽平钮: LA115-A-11HFT			
IP65 	旋转推拉式急停钮: LA115-A-11ZT 带灯旋转推拉式急停钮: LA115-A-11ZTD			
IP65 	双位钮: LA115-A-11R 带灯双位钮: LA115-A-11RD			
IP65 	二档旋钮: LA115-A-11X			
IP65 	带灯二档钥匙钮: LA115-A-11XD			
IP65 	二位钥匙钮: LA115-A-11Y			
IP65 	三档旋钮: LA115-A-11XS			

表6

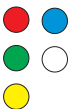
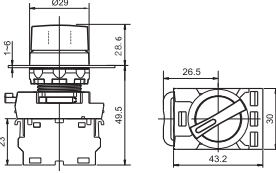
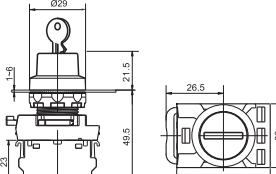
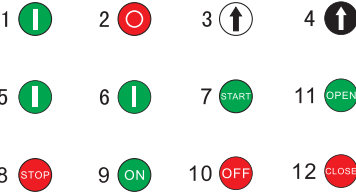
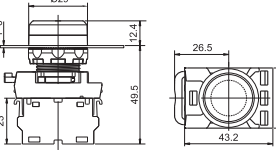
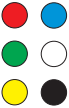
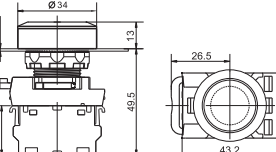
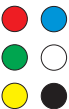
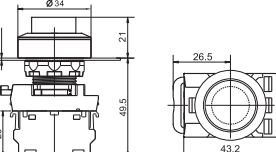
图例	产品型号	颜色	规格/样式	外形尺寸
IP65 	带灯三档旋钮: LA115-A-11XSD		 自锁 LA115-A-11XSD 由左至中自复 LA115-A-11XSD/F 由右至中和 由左至中自复 LA115-A-11XSD/FFU 由右至中自复 LA115-A-11XSD/FU	
IP65 	三位钥匙钮: LA115-A-11YS		 自锁 LA115-A-11YS 由左至中自复 LA115-A-11YS/F 由右至中和由左至中自复 LA115-A-11YS/FFU 由右至中自复 LA115-A-11YS/FU	
IP65 	带符号平钮: LA115-A-11B 自锁带符号平钮: LA115-A-11BT 带灯带符号平钮: LA115-A-11BD 带灯自锁带符号平钮: LA115-A-11BTD			
IP65  (适用于 $\Phi 22 - \Phi 30$ 孔径)	$\Phi 30$ 自复平钮 LA115-A-11E $\Phi 30$ 自锁平钮 LA115-A-11ET			
IP65  (适用于 $\Phi 22 - \Phi 30$ 孔径)	$\Phi 30$ 凸钮 LA115-A-11EH $\Phi 30$ 自锁凸钮 LA115-A-11EHT			

表7

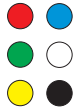
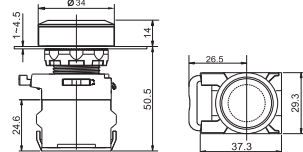
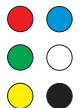
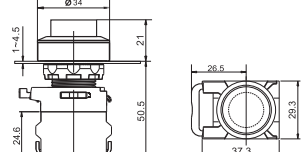
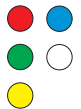
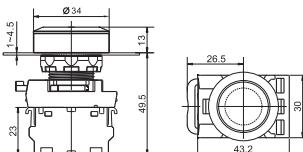
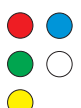
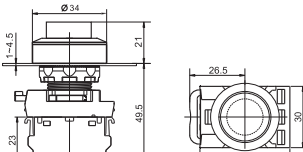
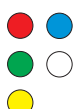
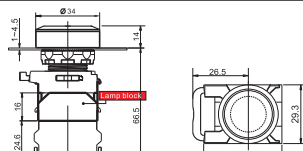
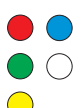
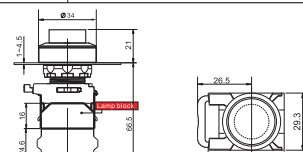
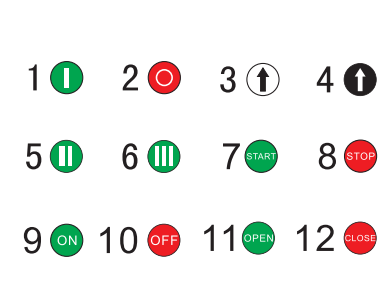
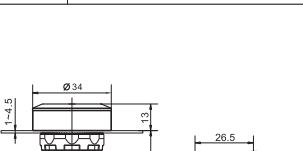
图例	产品型号	颜色	规格/样式	外形尺寸
 (适用于Φ22-Φ30孔径)	Φ30自复平钮 LA115-B-11E Φ30自锁平钮 LA115-B-11ET			
 (适用于Φ22-Φ30孔径)	Φ30凸钮 LA115-B-11EH Φ30自锁凸钮 LA115-B-11EHT			
 (适用于Φ22-Φ30孔径)	Φ30带灯自复平钮 LA115-A-11ED Φ30带灯自锁平钮 LA115-A-11ETD			
 (适用于Φ22-Φ30孔径)	Φ30带灯凸钮 LA115-A-11EHD Φ30带灯自锁凸钮 LA115-A-11EHTD			
 (适用于Φ22-Φ30孔径)	Φ30自复平钮 LA115-B-11ED Φ30自锁平钮 LA115-B-11ETD			
 (适用于Φ22-Φ30孔径)	Φ30带灯凸钮 LA115-B-11EHD Φ30带灯自锁凸钮 LA115-B-11EHTD			
 (适用于Φ22-Φ30孔径)	Φ30带符号自复平钮: LA115-A-11EB Φ30带符号自锁平钮: LA115-A-11EBT Φ30带灯带符号自复平钮: LA115-A-11EBD Φ30带灯带符号自锁平钮: LA115-A-11EBTD			

表8

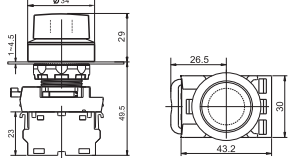
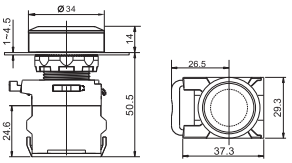
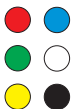
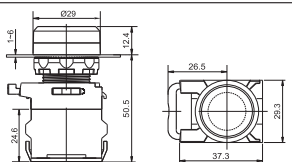
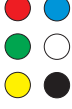
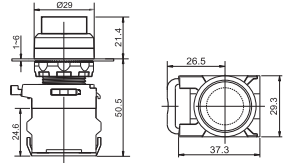
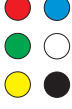
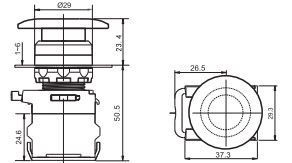
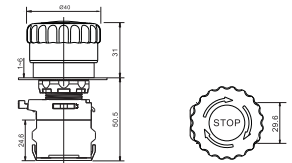
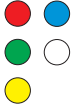
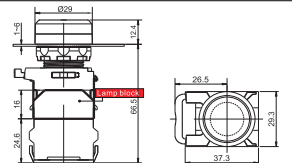
图例	产品型号	颜色	规格/样式	外形尺寸
IP65  (适用于Φ22-Φ30孔径)	Φ30自锁二档旋钮 LA115-A-11EX Φ30自锁三档旋钮 LA115-A-11EXS			
IP65  (适用于Φ22-Φ30孔径)	Φ30带符号自复平钮: LA115-B-11EB Φ30带符号自锁平钮: LA115-B-11EBT Φ30带灯带符号自复平钮: LA115-B-11EBD Φ30带灯带符号自锁平钮: LA115-B-11EBTD	1  2  3  4  5  6  7  8  9  10  11  12 		
IP65 	平钮: LA115-B-11BN 自锁钮: LA115-B-11T			
IP65 	凸钮: LA115-B-11H 自锁凸钮: LA115-B-11HT			
IP65 	蘑菇钮: LA115-B-11M 自锁自锁钮: LA115-B-11MT			
IP65 	旋转推拉式急停钮 (带文字标识): LA115-B-11ZF 带灯旋转推拉式急停钮 (带文字标识): LA115-B-11ZFD			
IP65 	带灯钮: LA115-B-11D 带灯自锁钮: LA115-B-11TD			

表9

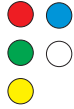
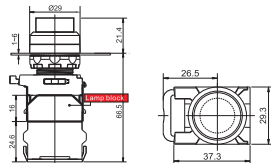
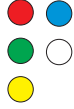
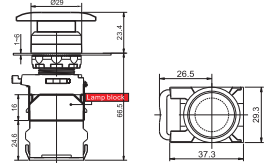
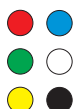
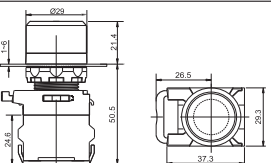
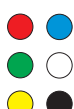
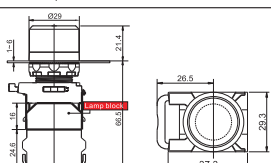
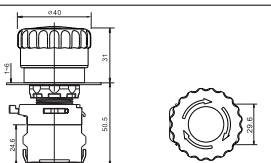
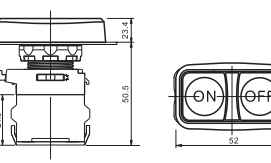
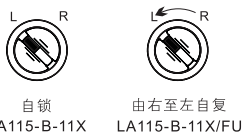
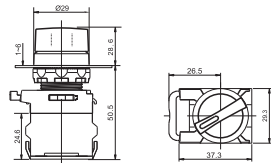
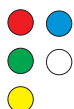
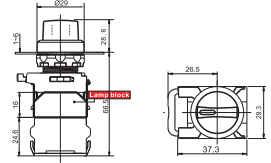
图例	产品型号	颜色	规格/样式	外形尺寸
IP65 	带灯凸钮: LA115-A-11HD 带灯自锁凸钮: LA115-A-11HTD			
IP65 	带灯蘑菇钮: LA115-B-11MD 带灯自锁蘑菇钮: LA115-B-11MTD			
IP65 	高帽平钮: LA115-B-11HF 自锁高帽平钮: LA115-B-11HFT			
IP65 	带灯高帽平钮: LA115-B-11HFD 带灯自锁高帽平钮: LA115-B-11HFTD			
IP65 	旋转推拉式急停钮: LA115-B-11ZT 带灯旋转推拉式急停钮: LA115-B-11ZTD			
IP65 	双位钮: LA115-B-11R 带灯双位钮: LA115-B-11RD		 双位钮 (图形标识) LA115-B-11R1 带灯双位钮 (图形标识) LA115-B-11RD1 双位钮 (文字标识) LA115-B-11R2 带灯双位钮 (文字标识) LA115-B-11RD2	
IP65 	二档旋钮 LA115-B-11X		 自锁 LA115-B-11X 由右至左自复 LA115-B-11X/FU	
IP65 	带灯二档旋钮 LA115-B-11XD		 带灯自锁 LA115-B-11XD 带灯由右至左自复 LA115-B-11XD/FU	

表10

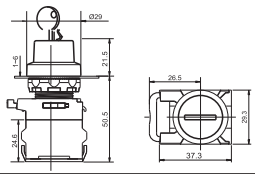
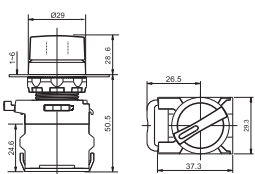
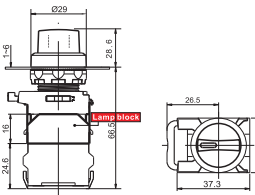
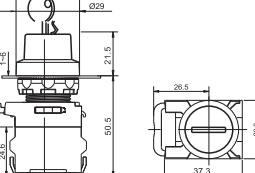
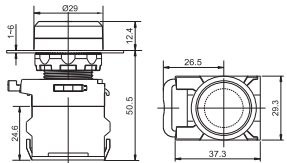
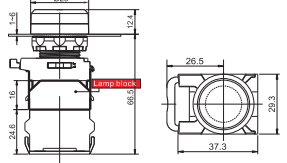
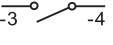
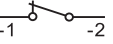
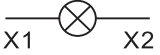
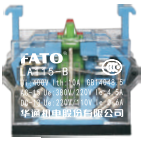
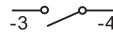
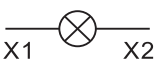
图例	产品型号	颜色	规格/样式	外形尺寸
IP65 	二位钥匙钮 LA115-B-11Y	●	 自锁 LA115-B-11Y  由右至左自复 LA115-B-11Y/FU	
IP65 	三档旋钮 LA115-B-11XS	●	 自锁 LA115-B-11XS  由左至中自复 LA115-B-11XS/F  由右至中和 由左至中自复 LA115-B-11XS/FFU  由右至中自复 LA115-B-11XS/FU	
IP65 	带灯三档旋钮 LA115-B-11XSD	    	 自锁 LA115-B-11XSD  由左至中自复 LA115-B-11XSD/F  由右至中和 由左至中自复 LA115-B-11XSD/FFU  由右至中自复 LA115-B-11XSD/FU	
IP65 	三位钥匙钮 LA115-B-11YS	●	 自锁 LA115-B-11YS  由左至中自复 LA115-B-11YS/F  由右至中和由左至中自复 LA115-B-11YS/FFU  由右至中自复 LA115-B-11YS/FU	

表11

图例	产品型号	颜色	规格/样式	外形尺寸
IP65 	带符号平钮: LA115-B-11B 自锁带符号平钮: LA115-B-11BT	1  2  3  4 		
IP65 	带灯带符号平钮: LA115-B-11BD 带灯自锁带符号平钮: LA115-B-11BTD	5  6  7  8  9  10  11  12 		

图例	产品型号	描述	图例	产品型号	描述
	常开触点模块 LA115-A-10 常闭触点模块 LA115-A-01	NO  -3 -4 NC  -1 -2		BA9S灯座 LA115-A-D	
	一开一闭触点模块 LA115-B-11	NO  -3 -4 NC  -1 -2		一体式LED灯座(B型) LA115-B-D	
	A型中座 (可接三副模块) LA115-A-Z			B型中座 (可接一副模块) LA115-B-Z	