

概述 Overview

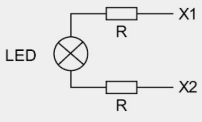
- 该系列的产品，按钮头部与中座连接采用了多点卡位，直插式固定安装方式，抗冲击、抗跌落、抗振动，适合在各种恶劣环境中使用。
- 该系列产品，动片弹簧内装有导向杆，使触点动作更加稳定、一致性更高，电气性能稳定性和寿命很大提高；接线标识牌采用嵌入式便于安装和不易丢失；性能参数采用激光打标，持久使用不会影响客户辨别产品的性能参数。
- In this series, the button head and the middle are connected with in-line fixed installation method . It is resistant to shock、drop and
- vibration, and is suitable for use in harsh environments.
  In this series, a guide rod installed in the movable leaf spring makes contacting more stable and consistent, which greatly improves electrical performance stability and life; The wiring identification plate is embedded for easy installation and hard to lose; The performance parameters of laser printing ensure long-term use without affecting recognition.

特点 Features

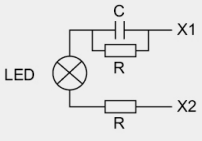
- 由按钮头部、中座、触点座部分组成，采用先进的无紧固件自锁联接，安全可靠，拆装高效快捷，无需增加任何附件即可直接安装在Ø22mm的安装面板上，使用安装扳手使安装更加坚固可靠。
- 采用优质工程阻燃材料，绝缘性能好，接触可靠；
- 产品符合EN 60947-5-1、GB/T 14048.5等标准。
- 触点元件是平压式的快动结构,触点座可以积木式组合，每个触点座可安装2组触电元件，最多可将4个触点座按要求组合，能达到做种特定控制电路的要求。
- 安装孔径：Ø22mm
- 功能：自复按钮、自锁按钮、带灯按钮、旋钮、钥匙钮、急停钮、蘑菇头按钮、不锈钢按钮、双位按钮等。
- 开关触点组合：01/10/02/20/11/22/03/30/04/40/12/21/13/31
- 防护等级：IP40，部分产品可定制达IP65
- Composed of button head, middle and contact , adopting advanced non-fastener self-locking connection, safe and reliable, easy to assemble and disassemble, installed on the Ø22mm panel by using wrench without any accessories makes the installation more robust and reliable.
- Using high-quality engineering flame-retardant materials, excellent insulation performance and reliable contact.
- Products comply with standards such as EN 60947-5-1, GB/T 14048.5.
- The contact elements are flat pressing and quick-acting, the contact bases (up to 4)can be combined as required and each contact base can be installed with 2 groups of contact elements,which can meet the requirements of making specific control circuits.
- Installation aperture: Ø22mm
- Function: self-reset pushbutton switch, self-locking pushbutton switch, illuminated pushbutton switch, Knob Switch, key switch, E-Stop pushbutton switch, mushroom pushbutton switch, stainless steel pushbutton switch, twin pushbutton switch.
- Switch contact combination: 01/10/02/20/11/22/03/30/04/40/12/21/13/31
- Degree of protection: IP40, IP65 for some customized products.

规格 Specifications

AC/DC型灯座
AC/DC lamp holder



AC型灯座
AC lamp holder



灯珠规格 LED Specifications

灯珠种类 LED type	双向LED灯珠 Bidirectional LED		
额定电压 Rated voltage	AC/DC 6V	AC/DC 12V	AC/DC 24V
	AC/DC 36V	AC/DC 48V	AC/DC 110V
	AC/DC 220V	AC/DC 380V	
	AC 110V	AC 220V	AC 380V
发光颜色 Emitting color	RD GN YE S WH BK		
寿命 Life	⩾40000h		

额定值 Ratings

额定绝缘电压 Ui Rated insulation voltage Ui			600V			
额定发热电流 Ith Rated thermal current Ith			10A			
额定工作电压 Ue Rated operational voltage Ue			24V	120V	240V	380V
额定工作电流 Ie Rated operational current Ie	交流 AC 50/60Hz	阻性负载(AC-12) Resistive load	10A	10A	6A	2A
		感性负载(AC-15) Inductive load	10A	6A	3A	1.9A
	直流 DC	阻性负载(DC-12) Resistive load	8A	2.2A	1.1A	-
		感性负载(DC-13) Inductive load	4A	1.1A	0.55A	-
触电材质 Contact material			银合金 Silver alloy			

国际认证规格 International Certification Specifications

认证规格 Certification specifications	规格 Specifications	文件No. Document
CCC	GB/T 14048.5	请咨询昌得代表处 Please consult the CNTD Representative Office
TUV	EN 60947-5-1	
CE		

安全规格认证额定值 Safety Specification Certification Rating

CCC(GB/T 14048.5)、TUV(EN 60947-5-1)

类型与额定值 Type and Rating
A600
N600

特性 Characteristics

工作环境温度 Ambient temperature	-25°C~+55°C（无冰冻） -25°C~+55°C(With no icing)
工作环境湿度 Humidity	45~85%RH
接触电阻 Contact resistance	⩽50mΩ
绝缘电阻 Insulation resistance	⩾100MΩ
最小使用负载 Minimum working load	DC24V 10mA 以上 Min DC24V 10mA
工频耐压 Power frequency withstand voltage	1890VAC/50Hz/60s
耐振动性 Vibration resistance	10-55Hz, 0.75mm amplitude
耐冲击性 Impact resistance	误动作：急停开关150m/s^2，按钮开关100m/s^2 Misoperation : emergency stop switch 150m / s^2, button switch 100m / s^2
防护等级 Degree of protection	IP65（工作面 Face）
电气寿命 Electrical life	⩾20万次(纯阻性3A/220V负载下) ⩾ 200,000 times (under pure resistive 3A / 220V load)
接线能力 Wiring capacity	最大：2×1.5mm^{2}或1×2.5mm^2,最小：2×0.75mm^2,最大插片：6.3×0.8mm Maximum: 2×1.5mm^2 or 1×2.5mm^2, Minimun: 2×0.75mm^2, Maximum insert: 6.3×0.8mm

触点类型说明 Contact Form Description

■ 型号中的两位数代表触点形式The two digits in the model number represent the contact form

○ 第一位数字“1”表示第一节开关元件上的第一对触点，“2”表示第一节开关元件上的第二对触点。

○ 第二位数字“1、2”表示常闭触点的两个接线端，“3、4”表示常开触点的两个接线端。

○The first digit “1” indicates the first pair of contacts on the first section of the element, “2” means the second pair.

○The second digit “1、2” represents the 2 terminals of NC contact, and “3、4” represents the 2 terminals of NO contact.

触点代码 Contact code	11	20	02	10	01
触点名称 Contact name	一开一闭 (1NO1NC)	二开 (2NO)	二闭 (2NC)	一开 (1NO)	一闭 (1NC)
状态图 State diagram					

旋钮、钥匙钮工作位置和对应触头状态 Working Position And Contact State

■ 二位置及对应触头分合状态图
Two-position and contact ON AND OFF state diagram



二位锁定
Two-bit lock



二位自复位
Two-position self-reset

■ 三位置及对应触头分合状态图
Three-position and contact ON AND OFF state diagram



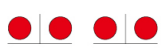
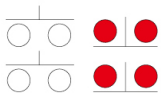
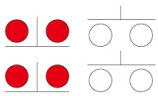
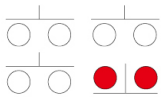
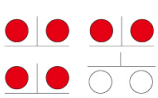
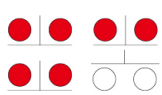
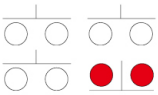
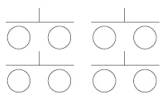
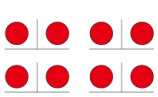
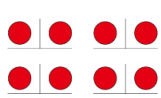
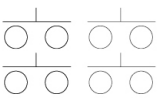
三位锁定
Three-position lock

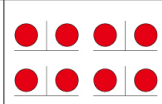
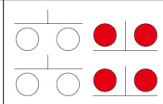
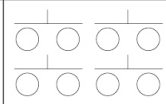
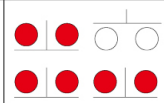
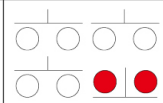


三位自复位
Three-position self-reset



三位左自复位右锁定
Three-position left self-reset right lock

型号 Type		
CLA38-11 ■ -2		
CLA38-20 ■ -2		
CLA38-02 ■ -2		
CLA38-22 ■ -2		
CLA38-31 ■ -2		
CLA38-13 ■ -2		
CLA38-40 ■ -2		
CLA38-04 ■ -2		

型号 Type			
Contact 11			
Contact 20			
Contact 02			
Contact 22			
Contact 31			
Contact 13			
Contact 40			
Contact 04			

选型说明 Model Designation

CLA38 — ⊙ ■ □ ▲ — ○ / △

CLA38-	⊙	■	□	▲	-○	/△
产品系列 Product series	触点类型 Contact type	操作类型 Operation type	选择开关位置 Select switch position	需求功能 Function	颜色 Color	灯电压 Lamp voltage
CLA38	01: 1NC 10: 1NO 02: 2NC 20: 2NO 11: 1NO1NC 22: 11+11 03: 02+01 30: 20+10 04: 02+02 40: 20+20 12: 11+01 21: 11+10 13: 11+02 31: 11+20 常开常闭触点根据需要组合 NO/NC contact combinations based on needs.	PN: 自复平钮 PN: Self-reset flat pushbutton switch PZ: 自锁平钮 PZ: Self-locking flat pushbutton switch PD: 带灯自复平钮 PD: Illuminated self-rest flat pushbutton switch PS: 带灯自锁平钮 PS: Illuminated self-locking flat pushbutton switch GN: 自复高钮 GN: Self-reset high pushbutton switch GZ: 自锁高钮 GZ: Self-locking high pushbutton switch GD: 带灯自复高钮 GD: Illuminated self-reset high pushbutton switch GS: 带灯自锁高钮 GS: Illuminated self-locking high pushbutton switch M40/60: 蘑菇头自复按钮 M40/60: Mushroom self-reset pushbutton switch MZ40/60: 蘑菇头自锁按钮 MZ40/60: Mushroom self-locking pushbutton switch D40/60: 带灯蘑菇头自复按钮 D40/60: Illuminated mushroom self-reset pushbutton switch DZ40/60: 带灯蘑菇头自锁按钮 DZ40/60: Illuminated mushroom self-locking pushbutton switch S40/60: 急停钮 S40/60: E-Stop pushbutton switch SD40/60: 带灯急停钮 SD40/60: Illuminated E-stop pushbutton switch X: 旋钮 X: knob switch XC: 长旋钮 XC: Long knob switch XD: 带灯旋钮 XD: Illuminated knob switch Y: 钥匙钮 Y: Key pushbutton switch PNW: 双位平钮 PNW: Twin flat pushbutton switch PDW: 带灯双位平钮 PDW: Illuminated flat pushbutton switch	21: 二位锁定 21: Two-bit lock 22: 二位自复位 22: Two-position self-reset 31: 三位锁定 31: Three-position lock 32: 三位左锁定右自复位 32: 3 positions; left maintained, right spring return 33: 三位自复位 33: Three-position self-reset 34:三位左自复位右锁定 34: Three-position left self-reset right lock 钥匙钮位置 Key button position 51: 2 positions, maintained; key removable at both ends. 52: 2 positions, maintained; key removable at left. 53: 2 positions, spring return; key removable at left. 61: 3 positions, maintained; key removable at all positions. 62: 3 positions, spring return; key removable at right. 63: 3 positions, maintained; key removable at center. 64: 3 positions, maintained; key removable at left and right. 65: 3 positions, spring return; key removable at center. 66: 3 positions; left maintained, right spring return; key removable at center. 67: 3 positions, maintained; key removable at left. 68: 3 positions, maintained; key removable at right.	L: 铝材头部 L: Alumimum head C: 塑胶头部 C: Plastic head T: 透明头部 T: Transparent head S: 不锈钢头部 S: Stainless steel head 无: 常规型 F: IP65防水型 K: 抗干扰型 No : conventional type F : IP65 Waterproof K : Anti-interference type 符号代号:(符号代号可与上述特殊需求混合使用) Symbol code : (symbol code can be mixed with the above special requirements) F1: "↓"定制符号 F1: "↓"custom code F2: "○"定制符号 F2: "○" custom code F3: " - "定制符号 F3: " - " custom code F4: " = "定制符号 F4: " = " custom code F5: "启动"定制符号 F5: "START" custom code F6: "STOP"定制符号 F6: "STOP" custom code F7: "↕"定制符号 F7: "↕" custom code	白:(W) 黑:(B) 绿:(G) 红:(R) 黄:(Y) 蓝:(S) 部分型号可选颜色详见产品选型/带灯产品无黑色 For the optional colors of some types,please refer to product selection (illuminated product without black)	T: AC/DC6V J: AC/DC12V B: AC/DC24V C: AC/DC36V E:AC/DC48V FD:AC/DC110V MD: AC/DC220V QD: AC/DC380V F: AC110V M: AC220V Q: AC380V

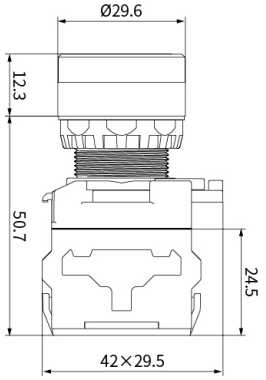
上述表格为型号解释说明，部分型号组合无实际产品，具体见产品选型或咨询厂商。

The above table is the model explanation, some model combinations do not have actual products, for details, see product selection or consult the manufacturer.

外观和尺寸 Appearance and Dimension

自复平钮 CLA38-11PNL
Self-reset flat-pushbutton switch



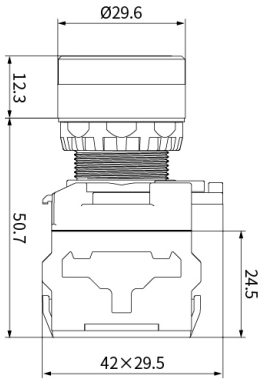


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PNL-W	11:1NO1NC	W: 白色
CLA38-11PNL-B	11:1NO1NC	B：黑色
CLA38-11PNL-G	11:1NO1NC	G：绿色
CLA38-11PNL-R	11:1NO1NC	R：红色
CLA38-11PNL-Y	11:1NO1NC	Y：黄色
CLA38-11PNL-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S

自锁平钮 CLA38-11PZL
Self-locking flat pushbutton switch



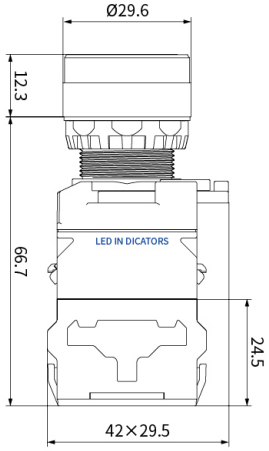


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PZL-W	11:1NO1NC	W: 白色
CLA38-11PZL-B	11:1NO1NC	B：黑色
CLA38-11PZL-G	11:1NO1NC	G：绿色
CLA38-11PZL-R	11:1NO1NC	R：红色
CLA38-11PZL-Y	11:1NO1NC	Y：黄色
CLA38-11PZL-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S

带灯自复平钮 CLA38-11PDL
Illuminated self-rest flat
pushbutton switch





产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PDL-W/△	11:1NO1NC	W: 白色
CLA38-11PDL-G/△	11:1NO1NC	G：绿色
CLA38-11PDL-R/△	11:1NO1NC	R：红色
CLA38-11PDL-Y/△	11:1NO1NC	Y：黄色
CLA38-11PDL-S/△	11:1NO1NC	S：蓝色

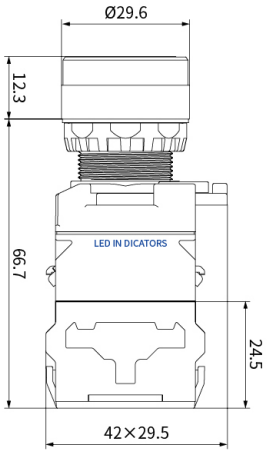
*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

外观和尺寸 Appearance and Dimension

带灯自锁平钮 CLA38-11PSL
Illuminated self-locking
flat pushbutton switch





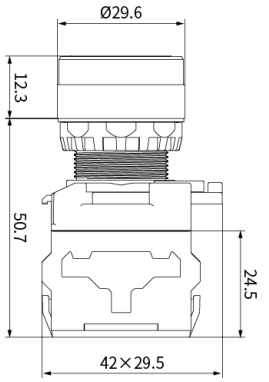
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PSL-W/△	11:1NO1NC	W: 白色
CLA38-11PSL-G/△	11:1NO1NC	G：绿色
CLA38-11PSL-R/△	11:1NO1NC	R：红色
CLA38-11PSL-Y/△	11:1NO1NC	Y：黄色
CLA38-11PSL-S/△	11:1NO1NC	S：蓝色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

定制符号自复平钮 CLA38-11PNL/F1
Self-reset flat-pushbutton switch with
custom code



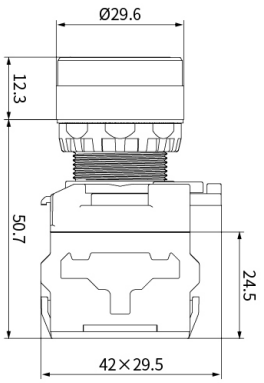


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PNL/F1-W	11:1NO1NC	W: 白色
CLA38-11PNL/F1-B	11:1NO1NC	B：黑色
CLA38-11PNL/F1-G	11:1NO1NC	G：绿色
CLA38-11PNL/F1-R	11:1NO1NC	R：红色
CLA38-11PNL/F1-Y	11:1NO1NC	Y：黄色
CLA38-11PNL/F1-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S
标记Mark: 启动 STOP

定制符号自锁平钮 CLA38-11PZL/F1
Self-locking flat-pushbutton switch
with custom code





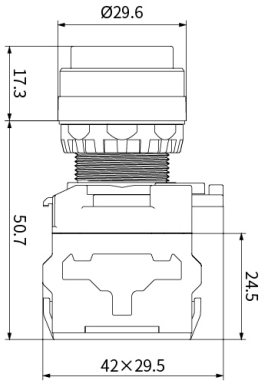
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PZL/F1-W	11:1NO1NC	W: 白色
CLA38-11PZL/F1-B	11:1NO1NC	B：黑色
CLA38-11PZL/F1-G	11:1NO1NC	G：绿色
CLA38-11PZL/F1-R	11:1NO1NC	R：红色
CLA38-11PZL/F1-Y	11:1NO1NC	Y：黄色
CLA38-11PZL/F1-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S
标记Mark: 启动 STOP

外观和尺寸 Appearance and Dimension

自复高钮 CLA38-11GNL
Self-reset high
pushbutton switch



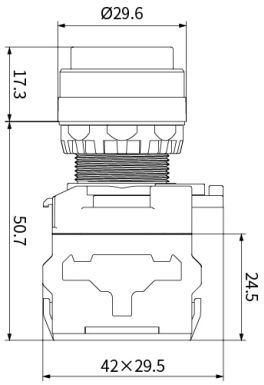


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11GNL-W	11:1NO1NC	W: 白色
CLA38-11GNL-B	11:1NO1NC	B：黑色
CLA38-11GNL-G	11:1NO1NC	G：绿色
CLA38-11GNL-R	11:1NO1NC	R：红色
CLA38-11GNL-Y	11:1NO1NC	Y：黄色
CLA38-11GNL-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S

自锁高钮 CLA38-11GZL
Self-locking high
pushbutton switch



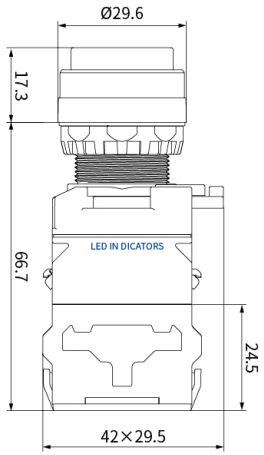


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11GZL-W	11:1NO1NC	W: 白色
CLA38-11GZL-B	11:1NO1NC	B：黑色
CLA38-11GZL-G	11:1NO1NC	G：绿色
CLA38-11GZL-R	11:1NO1NC	R：红色
CLA38-11GZL-Y	11:1NO1NC	Y：黄色
CLA38-11GZL-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S

带灯自复高钮 CLA38-11GDL
Illuminated self-reset high-
pushbutton switch





产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11GDL-W/△	11:1NO1NC	W: 白色
CLA38-11GDL-G/△	11:1NO1NC	G：绿色
CLA38-11GDL-R/△	11:1NO1NC	R：红色
CLA38-11GDL-Y/△	11:1NO1NC	Y：黄色
CLA38-11GDL-S/△	11:1NO1NC	S：蓝色

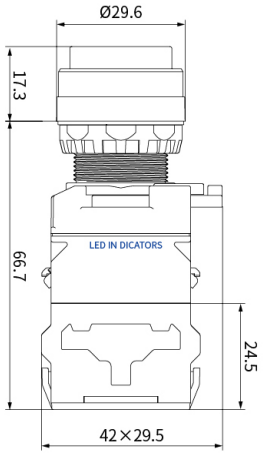
*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

外观和尺寸 Appearance and Dimension

带灯自锁高钮 CLA38-11GSL
Illuminated self-locking high-pushbutton switch





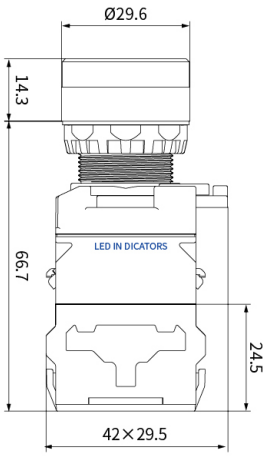
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11GSL-W/△	11:1NO1NC	W: 白色
CLA38-11GSL-G/△	11:1NO1NC	G：绿色
CLA38-11GSL-R/△	11:1NO1NC	R：红色
CLA38-11GSL-Y/△	11:1NO1NC	Y：黄色
CLA38-11GSL-S/△	11:1NO1NC	S：蓝色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

透明带灯自复平钮 CLA38-11PDT
Transparent illuminated self-reset flat-button





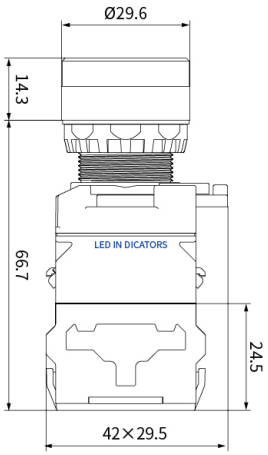
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PDT-W/△	11:1NO1NC	W: 白色
CLA38-11PDT-G/△	11:1NO1NC	G：绿色
CLA38-11PDT-R/△	11:1NO1NC	R：红色
CLA38-11PDT-Y/△	11:1NO1NC	Y：黄色
CLA38-11PDT-S/△	11:1NO1NC	S：蓝色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

透明带灯自锁平钮 CLA38-11PST
Transparent illuminated self-locking flat-button





产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PST-W/△	11:1NO1NC	W: 白色
CLA38-11PST-G/△	11:1NO1NC	G：绿色
CLA38-11PST-R/△	11:1NO1NC	R：红色
CLA38-11PST-Y/△	11:1NO1NC	Y：黄色
CLA38-11PST-S/△	11:1NO1NC	S：蓝色

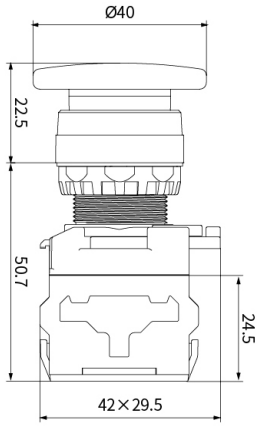
*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

外观和尺寸 Appearance and Dimension

40蘑菇头自复按钮 CLA38-11M40L
40 Mushroom self-reset pushbutton switch



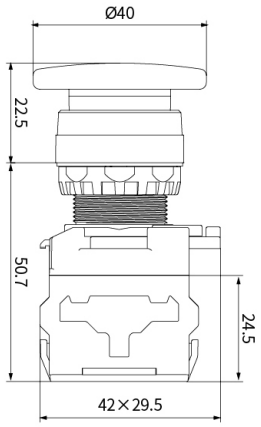


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11M40L-W	11:1NO1NC	W: 白色
CLA38-11M40L-B	11:1NO1NC	B：黑色
CLA38-11M40L-G	11:1NO1NC	G：绿色
CLA38-11M40L-R	11:1NO1NC	R：红色
CLA38-11M40L-Y	11:1NO1NC	Y：黄色
CLA38-11M40L-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S

40蘑菇头自锁按钮 CLA38-11MZ40L
40 Mushroom self-locking pushbutton switch



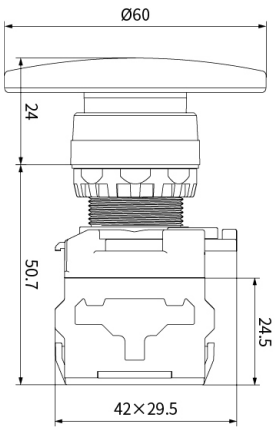


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11MZ40L-W	11:1NO1NC	W: 白色
CLA38-11MZ40L-B	11:1NO1NC	B：黑色
CLA38-11MZ40L-G	11:1NO1NC	G：绿色
CLA38-11MZ40L-R	11:1NO1NC	R：红色
CLA38-11MZ40L-Y	11:1NO1NC	Y：黄色
CLA38-11MZ40L-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S

60蘑菇头自复按钮 CLA38-11M60L
60 Mushroom self-reset pushbutton switch





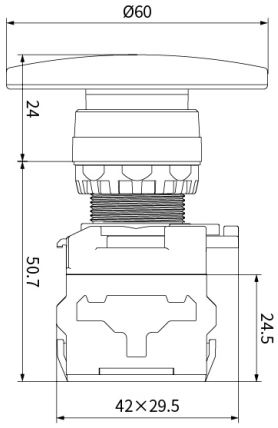
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11M60L-W	11:1NO1NC	W: 白色
CLA38-11M60L-B	11:1NO1NC	B：黑色
CLA38-11M60L-G	11:1NO1NC	G：绿色
CLA38-11M60L-R	11:1NO1NC	R：红色
CLA38-11M60L-Y	11:1NO1NC	Y：黄色
CLA38-11M60L-S	11:1NO1NC	S：蓝色

颜色Color: W B G R Y S

外观和尺寸 Appearance and Dimension

60蘑菇头自锁按钮 CLA38-11MZ60L
60 Mushroom self-locking pushbutton switch



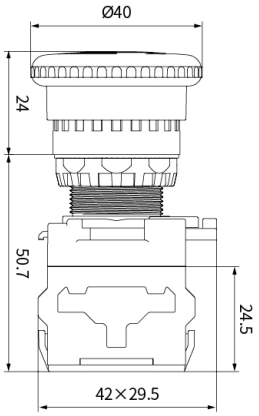


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11MZ60L-W	11:1NO1NC	W: 白色
CLA38-11MZ60L-B	11:1NO1NC	B：黑色
CLA38-11MZ60L-G	11:1NO1NC	G：绿色
CLA38-11MZ60L-R	11:1NO1NC	R：红色
CLA38-11MZ60L-Y	11:1NO1NC	Y：黄色
CLA38-11MZ60L-S	11:1NO1NC	S：蓝色

颜色Color：W B G R Y S

40急停钮 CLA38-11S40C
40 E-Stop pushbutton switch



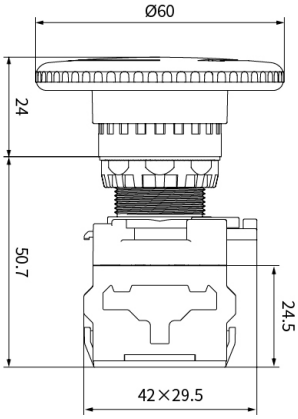


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11S40C-R	11:1NO1NC	R：红色
CLA38-11S40C-G	11:1NO1NC	G：绿色
CLA38-11S40C-Y	11:1NO1NC	Y：黄色

颜色Color：R G Y

60急停钮 CLA38-11S60C
60 E-Stop pushbutton switch





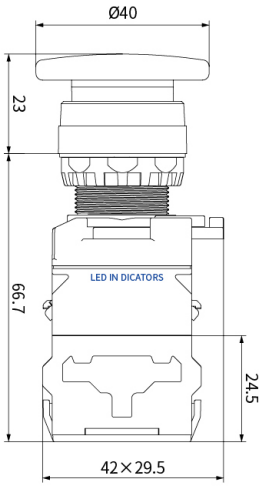
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11S60C-R	11:1NO1NC	R：红色
CLA38-11S60C-G	11:1NO1NC	G：绿色
CLA38-11S60C-Y	11:1NO1NC	Y：黄色

颜色Color：R G Y

外观和尺寸 Appearance and Dimension

带灯40蘑菇头自复按钮 CLA38-11D40L
Illuminated 40 mushroom self-reset pushbutton switch





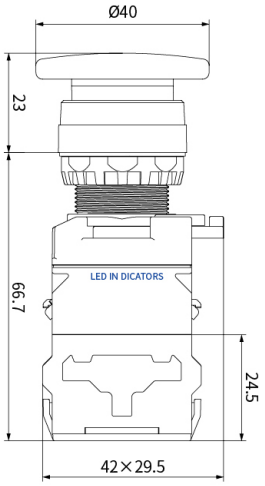
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11D40L-W/△	11:1NO1NC	W: 白色
CLA38-11D40L-G/△	11:1NO1NC	G：绿色
CLA38-11D40L-R/△	11:1NO1NC	R：红色
CLA38-11D40L-Y/△	11:1NO1NC	Y：黄色
CLA38-11D40L-S/△	11:1NO1NC	S：蓝色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

带灯40蘑菇头自锁按钮 CLA38-11DZ40L
Illuminated 40 mushroom self-locking pushbutton switch





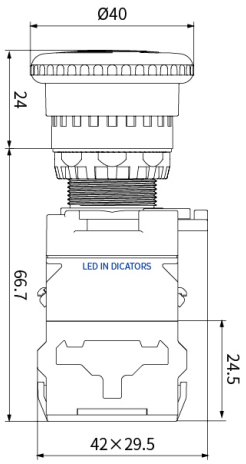
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11DZ40L-W/△	11:1NO1NC	W: 白色
CLA38-11DZ40L-G/△	11:1NO1NC	G：绿色
CLA38-11DZ40L-R/△	11:1NO1NC	R：红色
CLA38-11DZ40L-Y/△	11:1NO1NC	Y：黄色
CLA38-11DZ40L-S/△	11:1NO1NC	S：蓝色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

带灯40急停钮 CLA38-11SD40C
Illuminated 40 E-Stop pushbutton switch





产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11SD40C-R/△	11:1NO1NC	R：红色
CLA38-11SD40C-G/△	11:1NO1NC	G：绿色
CLA38-11SD40C-Y/△	11:1NO1NC	Y：黄色

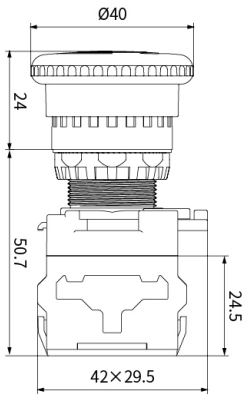
*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: R G Y

外观和尺寸 Appearance and Dimension

定制STOP符号40 急停钮 CLA38-11S40C/F6
40 E-Stop pushbutton switch with "STOP" custom code





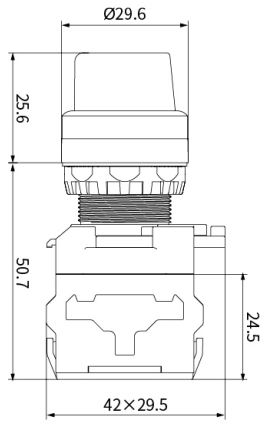
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11S40C/F6-R	11:1NO1NC	R：红色
CLA38-11S40C/F6-G	11:1NO1NC	G：绿色
CLA38-11S40C/F6-Y	11:1NO1NC	Y：黄色

颜色Color：R G Y

标记Mark：↓ O I II 启动 STOP

旋钮 CLA38-11/20X
Knob switch





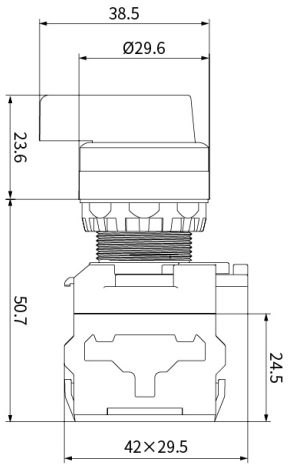
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	位置符号 Location symbol
CLA38-11X21L-B 二位锁定旋钮 Two-bit lock knob switch	11:1NO1NC	
CLA38-11X22L-B 二位自复位旋钮 Two-position self-reset knob switch	11:1NO1NC	
CLA38-20X31L-B 三位锁定旋钮 Three-position lock knob switch	20:2NO	
CLA38-20X33L-B 三位自复位旋钮 Three-position self-reset knob switch	20:2NO	
CLA38-20X32L-B 三位左锁定右自复位旋钮 Three-bit left lock right self-reset right-self-reset type knob switch	20:2NO	
CLA38-20X34L-B 三位左自复位右锁定旋钮 Three-position left self-reset right lock knob switch	20:2NO	

颜色Color：W B G R Y S

箭头说明：锁定 弹簧返回 钥匙拔出
Arrow description: Lock Spring return Key withdrawl

长旋钮 CLA38-11/20XC
ALong-knob switch





产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	位置符号 Location symbol
CLA38-11XC21L-B 二位锁定长旋钮 Two-bit lock long knob switch	11:1NO1NC	
CLA38-11XC22L-B 二位自复位长旋钮 Two-position self-reset long knob switch	11:1NO1NC	
CLA38-20XC31L-B三位锁定长旋钮 Three-position lock long knob switch	20:2NO	
CLA38-20XC33L-B 三位自复位长旋钮 Three-position self-reset long knob switch	20:2NO	
CLA38-20XC32L-B 三位左锁定右自复位长旋钮 Three-bit left lock right self-reset right-self-reset type long knob switch	20:2NO	
CLA38-20XC34L-B 三位左自复位右锁定长旋钮 Three-position left self-reset right lock long knob switch	20:2NO	

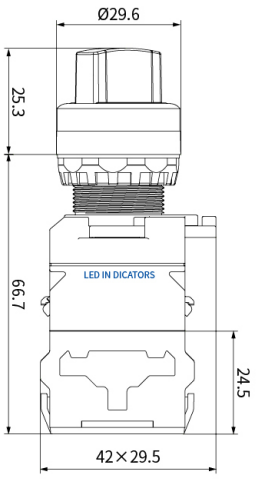
颜色Color：W B G R Y S

箭头说明：锁定 弹簧返回 钥匙拔出
Arrow description: Lock Spring return Key withdrawl

外观和尺寸 Appearance and Dimension

带灯旋钮 CLA38-11/20XD
Illuminated knob switch





颜色Color: W G R Y S

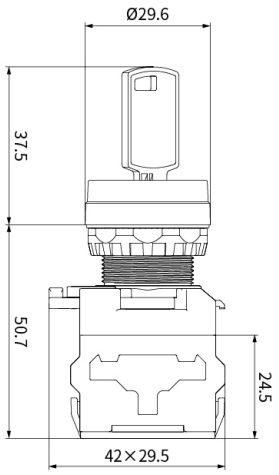
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	位置符号 Location symbol
CLA38-11XD21L-○/△ 带灯二位锁定旋钮 Two-bit lock knob switch with light	11:1NO1NC	
CLA38-11XD22L-○/△ 带灯二位自复位旋钮 Illuminated two-position self-reset knob switch	11:1NO1NC	
CLA38-20XD31L-○/△ 带灯三位锁定旋钮 Illuminated three-position lock knob switch	20:2NO	
CLA38-20XD33L-○/△ 带灯三位自复位旋钮 Three-position self-resetting knob with light	20:2NO	

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

箭头说明：锁定 弹簧返回 钥匙拔出
Arrow description: Lock Spring return Key withdrawl

钥匙钮 CLA38-11/20Y
Key button





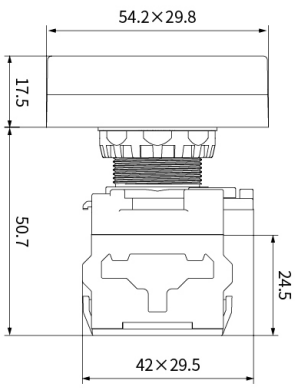
颜色Color: W B G R Y S

产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	位置符号 Location symbol
CLA38-11Y51L-B 二位锁定钥匙释放钥匙钮 Both of you lock the key release key button	11:1NO1NC	
CLA38-11Y53L-B 二位自复位左钥匙释放钥匙钮 Two self-reset left key release key button	11:1NO1NC	
CLA38-20Y61L-B 三位锁定钥匙释放钥匙钮 Three lock key release key button	20:2NO	
CLA38-20Y62L-B 三位自复位右钥匙释放钥匙钮 Three position self-reset right key release	20:2NO	

箭头说明：锁定 弹簧返回 钥匙拔出
Mark Description: Lock Spring return Key withdrawl

双位平钮 CLA38-11PNWC
Double flat buttons





颜色Color: R G

产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PNWC-RG	11:1NO1NC	RG：红绿色

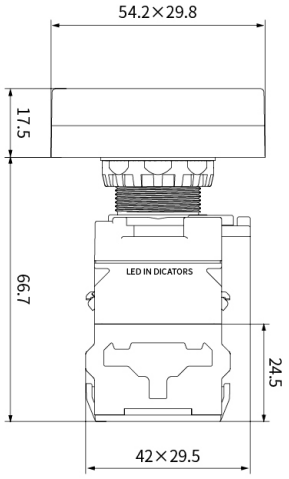
外观和尺寸 Appearance and Dimension

双位带灯平钮 CLA38-11PDWC
Double flat buttons



灯颜色 Light color: W G R Y

按钮颜色 Button color: R G



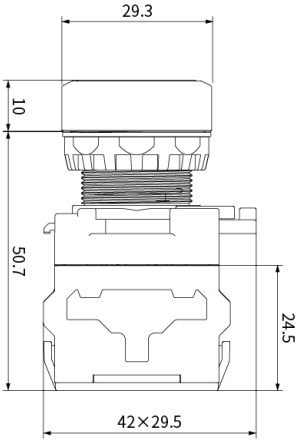
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	头部颜色 Head color
CLA38-11PDWC-RG/△-Y	11:1NO1NC	RG：红绿色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

不锈钢头自复平钮 CLA38-11PNS
Stainless steel self-reset flat pushbutton switch



颜色Color: W

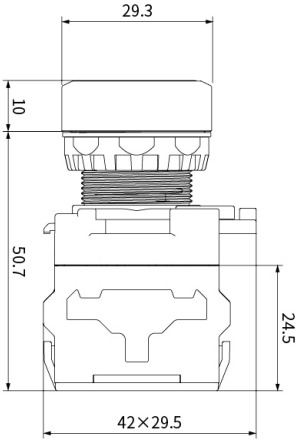


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	灯罩颜色 Lampshade color
CLA38-11PNS-W	11:1NO1NC	W: 白色

不锈钢头自锁平钮 CLA38-11PZS
Stainless steel self-locking flat pushbutton switch



颜色Color: W

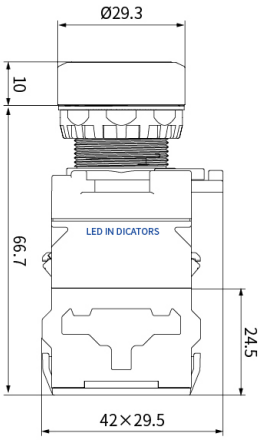


产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	灯罩颜色 Lampshade color
CLA38-11PZS-W	11:1NO1NC	W: 白色

外观和尺寸 Appearance and Dimension

带灯不锈钢头自复钮 CLA38-11PDS
Illuminated stainless steel self-reset pushbutton switch





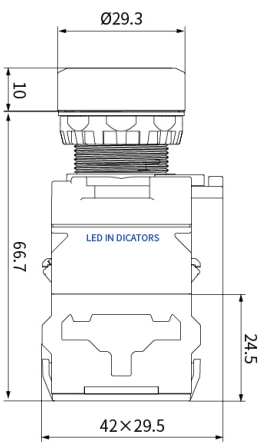
产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	灯罩颜色 Lampshade color
CLA38-11PDS-W/△	11:1NO1NC	W: 白色
CLA38-11PDS-G/△	11:1NO1NC	G：绿色
CLA38-11PDS-R/△	11:1NO1NC	R：红色
CLA38-11PDS-Y/△	11:1NO1NC	Y：黄色
CLA38-11PDS-S/△	11:1NO1NC	S：蓝色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

带灯不锈钢头自锁钮 CLA38-11PSS
Illuminated stainless steel self-locking pushbutton switch





产品型号 Product reference	产品结构 Product structure	
	触点结构 Contact structure	灯罩颜色 Lampshade color
CLA38-11PSS-W/△	11:1NO1NC	W: 白色
CLA38-11PSS-G/△	11:1NO1NC	G：绿色
CLA38-11PSS-R/△	11:1NO1NC	R：红色
CLA38-11PSS-Y/△	11:1NO1NC	Y：黄色
CLA38-11PSS-S/△	11:1NO1NC	S：蓝色

*△代表电压代号，参照CLA38选型说明。
*△ represents voltage code, refer to CLA38 selection instructions.

颜色Color: W G R Y S

安装说明 Installation Notes



注：旋钮三位需要认“TOP”定向安装，其余类型产品无需定向安装。
The three-position knobs need to be installed directionally(look for 'TOP') ,others don't .

外观和尺寸 Appearance and Dimension



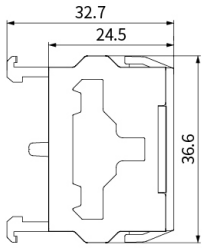
一常开一常闭触点 CLA-11
1NO1NC contact

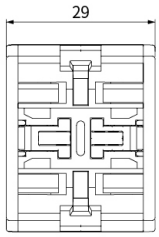


一常开触点 CLA-10
1NO contact



一常闭触点 CLA-01
1NC contact

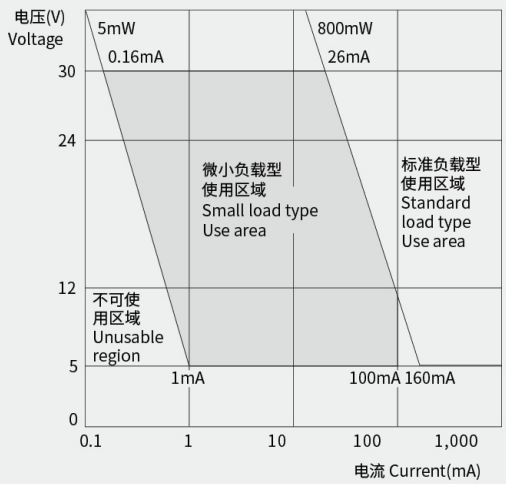




微小负载型的使用 Applications Under Minimal Load

开关接点可用于一般负载或微小负载。但是，已经连接过一般负载的接点，就不能用于连接更小容量的负载。否则，可能导致接触面的糙化，而且可能失去接触可靠性。
如果在开关微小负载电路时使用一般负载用开关，可能会引起接触不良。下图为开关负载区域范围定义。本目录册内产品适用于 DC24V 10mA 以上范围，当使用负载小于 DC24V 10mA 以下时，可能存在由于电流过小无法击破触点表面氧化膜或硫化膜的现象，从而导致开关接触不良。所以当使用负载小于 DC24V 10mA 以下时，请咨询昌得电气科技有限公司进行产品定制。
请设置 CR 电路等吸收电路，防止震荡和抖动所导致的噪声和脉冲缺失，对于开关时会产生冲击电流的负载，请插入接点保护电路，以免导致耐久性降低。

Switch contacts can be used for general loads or small loads. However, contacts that have already been connected to general loads cannot be used to connect smaller capacity loads. Otherwise, it may lead to roughness of the contact surface and loss of contact reliability.
If a general load switch is used when switching a small load circuit, poor contact may be caused. The following diagram shows the switching load area range definition. The products in this catalog are suitable for DC24V 10mA or above. When the load is less than DC24V 10mA or below, the oxidized film or vulcanized film on the contact surface may be unable to be broken due to too small current, resulting in poor switch contact. Therefore, when the load is less than DC24V 10mA, please consult CNTD Electrical Technology Co., Ltd. for product customization.
Please set the absorption circuit such as CR circuit to prevent noise and pulse loss caused by shock and jitter, for the load that will produce impulse current on the switch, please insert the contact protection circuit to avoid reducing durability.



使用注意事项 Using Precautions

本公司产品是作为工业产品而设计生产，严格遵守工业产品标准。我司明确声明，除非经过特殊设计并得到我司明确书面确认，我司产品不适用于以下应用场合：

- 要求极高可靠性的应用场合，包括核能、燃气、电力等要求长期稳定运行的系统。
- 要求极高安全性的应用场合，涉及人身安全与财产的情况。
- 苛刻条件、严酷环境的应用场合，包括室外、存在化学污染、电磁、振动或冲击影响的环境。
- 有火灾或爆炸风险的应用场合，包括存在易燃爆性气体、强酸强碱化学品等物质的环境。
- 涉及军工用途、航天航空项目的应用场合。

The company’ s products are designed and produced as industrial products, in strict compliance with industrial product standards. We expressly declare that, unless specifically designed and expressly confirmed by us in writing, our products are not intended for the following applications:

- Applications that require high reliability, including nuclear, gas, electric and other systems that require long-term stable operation.
- Applications requiring very high security, situations involving personal safety and property.
- Applications in harsh conditions, harsh environments, including outdoor, chemical contamination, electromagnetic, vibration or shock effects.
- Applications where there is a risk of fire or explosion, including environments where flammable and explosive gases, strong acids and alkali chemicals are present.
- Applications involving military use and aerospace projects.