

LA118

Series Button switch

Product description



Overview

Rated working current I_e : AC4.5A, 2.5A, DC0.6, 0.3A

Rated working voltage U_e : AC220, 380V, DC110, 220V

Rated insulation voltage U_i : AC380V

Rated impulse withstand voltage U_{imp} : 20.5kV

Mounting aperture: $\phi 22\text{mm}$

Application scenario: Suitable for industrial automation, mechanical equipment, elevators, cranes and other simple and reliable human-machine interaction occasions.

Standard: GB/T 14048.5

Certificate: CCC

Product features

- 1、 The contact can be any combination, easy to install and replace, improve the convenience and flexibility of maintenance.
- 2、 with self-cleaning function to ensure reliable on-off, reduce the risk of contact adhesion
- 3、 The base is made of PC material: provide good insulation performance and high temperature resistance
- 4、 The contact adopts copper matrix composite material: to ensure low resistance and high conductivity, while increasing wear resistance and corrosion resistance
- 5、 The standard configuration is equipped with anti-rotation positioning and anti-loosening installation gaskets, to ensure the stability of the button after installation, to prevent vibration or external force caused by loosening

Operating Conditions

- 1、 Atmospheric conditions: The normal operating temperature is $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, and the average value within 24 hours does not exceed $+35^{\circ}\text{C}$
- 2、 Altitude: Not more than 2000m
- 3、 Atmospheric conditions: The relative humidity of the air at the installation site does not exceed 50% at $+40^{\circ}\text{C}$, and a higher relative humidity can be allowed at lower temperatures, such as 90% at 20°C . Special measures should be taken for condensation occasionally caused by temperature changes
- 4、 Pollution degree: 3 class
- 5、 Installation category: III
- 6、 Enclosure protection class: IP40

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Model number	Shape structure code	Contact normally open logarithm	Contact normally closed logarithm	Derived code	Color code
LA118	A- metal structure; M- Nut structure	represented by the numbers 0, 1, 2	represented by the numbers 0, 1, 2	See Table 1 for details	White black green red yellow blue

Table 1

Derived code	Meaning	Button color		Lamp voltage
BN	Self-flattening knob	White, black, green, red, yellow, blue		/
BNZS	Self-locking flat button			
M	Self-resetting push button	Black, red, green		
MZS	Self-locking push button			
ZS	Scram button	Red and green		
X	Short handle knob	X21: two-position lock	Red and green	
		X31: three-position lock		
XB	Knob with long handle	XB21: two-position lock		
		XB31: three-position lock		
		XB31: three-position lock		
Y	Key butto	Y21: two-position lock	/	
		Y31: three-position lock		
D	Flat button with light	White, green, red, yellow, blue		AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V
DZS	Self-locking button with light			
MD	Push button with light	Green, red, yellow		
MDZS	Self-locking Push button with light			
XD	Knob with light	XD21: two-position lock	Green, red, yellow	
		Xd31: three-position lock		

Technical data

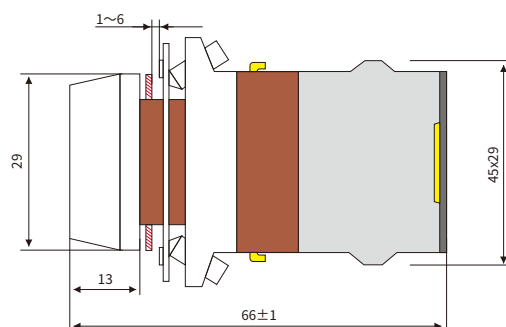
Rated insulation voltage Ui		AC380V		
Convention free heating current Ith		10A		
Rated operating voltage Ue (V)				
Rated operating current Ie (A)	AC-15	2.5	4.5	-
	DC-13	-	0.3	0.6
Mechanical life		3 million times (flat button, button with light) 300,000 times (knob) 50,000 times (key button, self-locking button)		
Electrical Life		600,000 times (flat button, button with light) 100,000 times (knob) 50,000 times (key button, self-locking button)		
Operation frequency		1200 time/h		
Contact resistance		≤50mΩ		
Protection class		Ip40		

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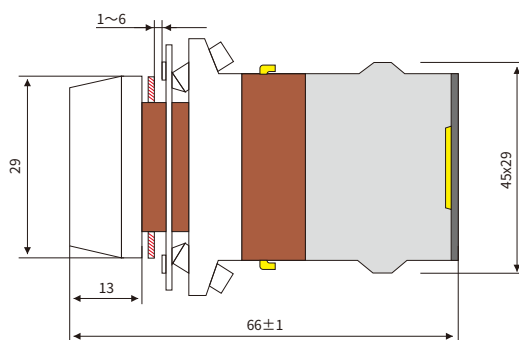
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Overall and mounting dimentions

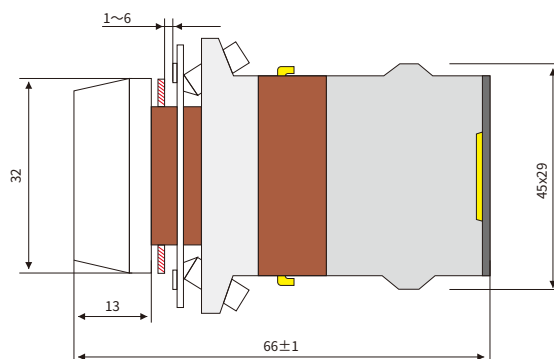
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2、LA118A-BNZS



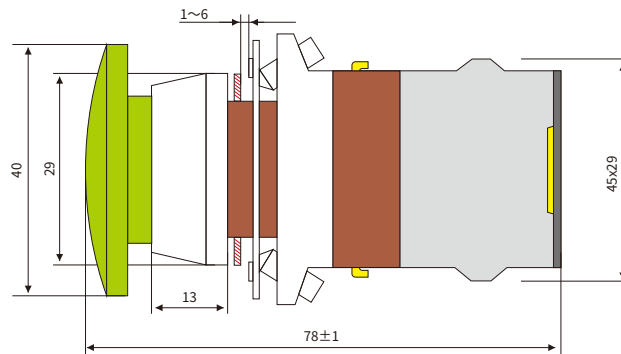
3、LA118A-S



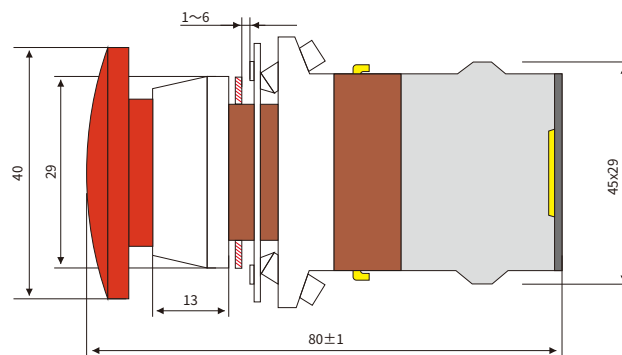
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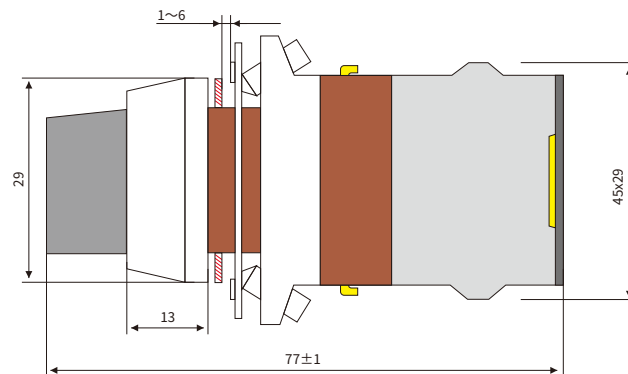
4、LA118A-M(ZS)



5、LA118A-ZS



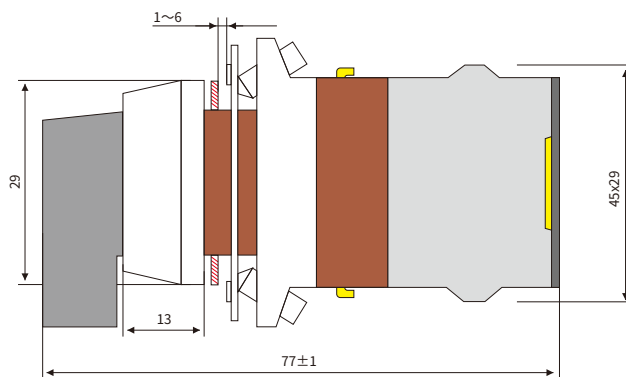
6、LA118A-X



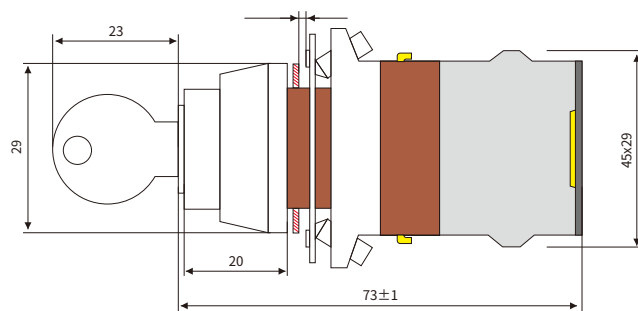
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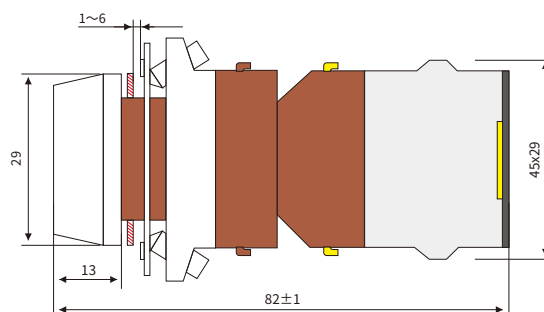
7、LA118A-XB



8、LA118A-Y

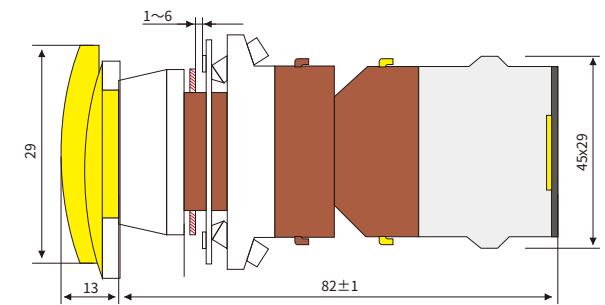


9、LA118A-D(ZS)

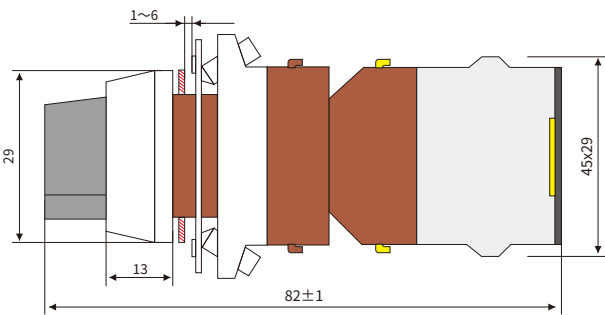


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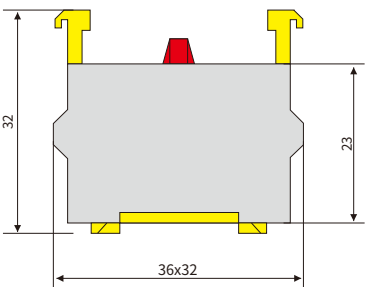
10、LA118A-MD(ZS)



11、LA118A-XD



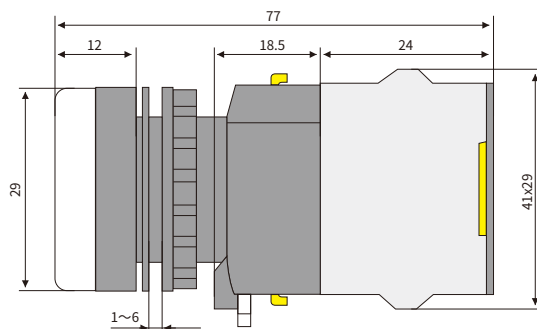
12、LA118A-BE



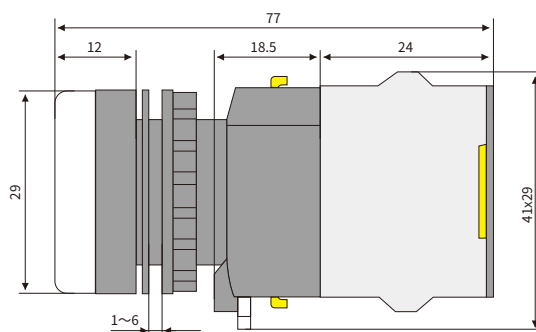
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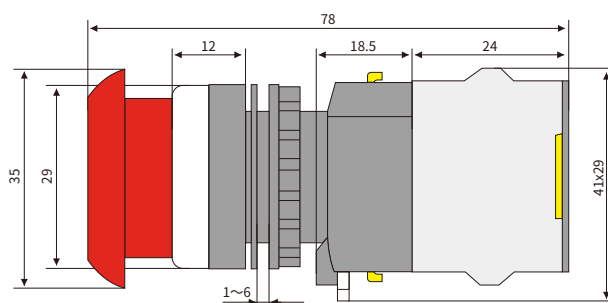
13、LA118M-BN



14、LA118M-BNZS

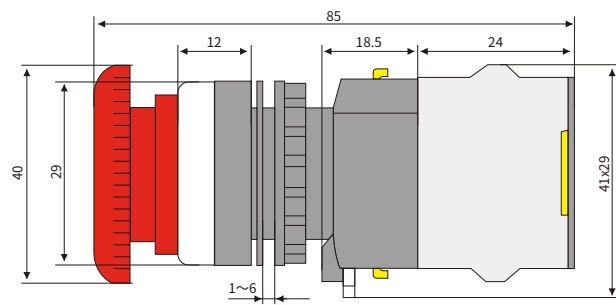


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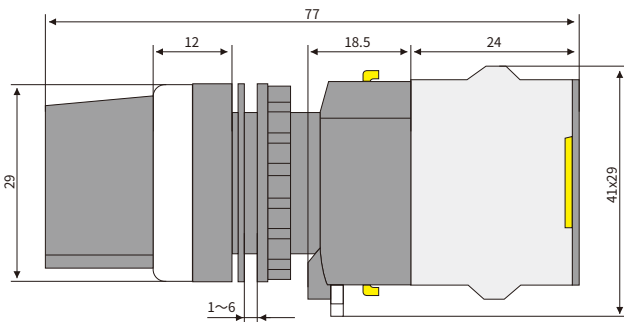


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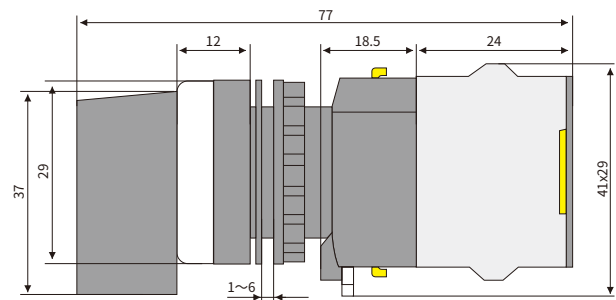
16、LA118M-ZS



17、LA118M-X

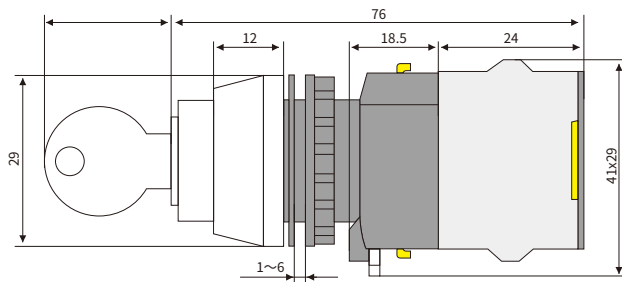


18、LA118M-XB

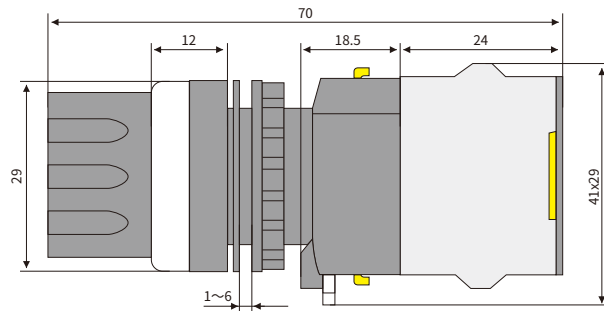


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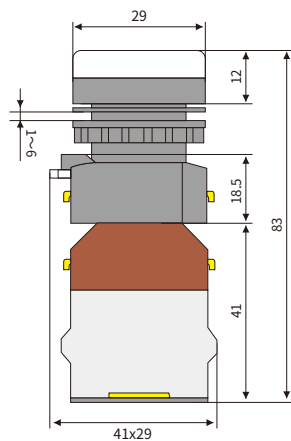
19、LA118M-Y



20、LA118M-RX

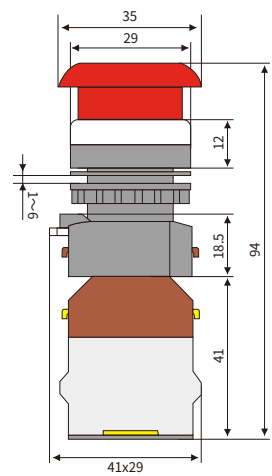


21、LA118M-D(ZS)



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22、LA118M-MD(ZS)



23、LA118M-XD

