
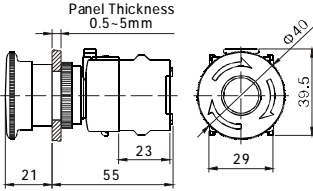



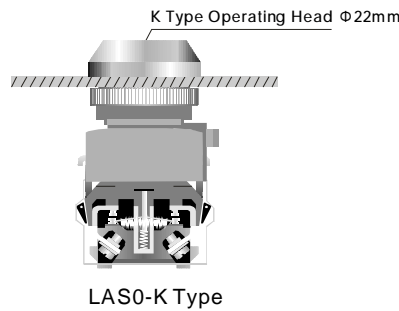
# LAS0 Series Pushbutton Switches

## LAS0 Series Pushbutton Switches

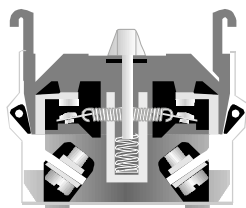
### Implication of Type

LAS0 – ☆ – □ ■ ○ ● / ◇ ◆ / △ / ▲ / ◎									
Code of series	Code of various: K common type KE economical type	Contact Structure: 11 1NO1NC 22 2NO2NC 33 3NO3NC 44 4NO4NC can choose the compound mode according to the requirement: If you need 'slow motion structure', please add M in front of the model number. For example: "M11".	Code name of Derivative Products: Z alternate type X knob type XA lever type A XB lever type B Y key-lock type M mushroom TSA emergency type A TSB emergency type B The Momentary type is without letter	Cover mode of momentary/ Alternate type: P flat metal type Q globular metal type Common lastics type is without letter	Pilot lamp or Illuminated type: E ring D commonl	◇ expresses selector and key-lock operating position: 2 2 position 3 3 position ◆ expresses selector and key-lock operating type: 1 Maintain 2 Half return 3 Self return	Voltage of the lamp	Color: R red G green Y yellow O orange B blue W white N black	Protective Degree P IP65 FP IP67 IP40 is without letter

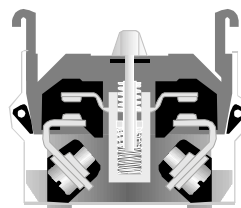
<p>A type emergency pushbutton</p> 	<p>Push-lock Turn-reset</p>	<p>LAS0-K-□TSA/▲/◎</p>		 <p>Protective Degree: IP40、IP67</p>
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### Switch Base Diagram



Quick-break Switch



Slow-break Switch

# LAS0 Series Pushbutton Switches

## LAS0 Series Pushbutton Switches

### Product Overview

#### Specs

LAS0seriesA,B,C,K type pushbutton switches are derivatives of LAS0 series. They are innovated from the original stucture of LAS0 series, which can be installed more easily and firmly and can be operated more reliably and stably. There are three standard diameters of installation hole  $\Phi 22\text{mm}$ ,  $\Phi 25\text{mm}$  and  $\Phi 30\text{mm}$ , can be using wide area.

#### Performance

Using high quality inflaming retarding materials. Switch unit is separated independently and the insulating performance is very well.

The product meets standards of IEC60947 - 5- 1,GB14048.5 etc.

#### Structure

The switch unit is slow - break and self - cleaning. It uses modular combination mode and you can combine from one to eight switch units optional, so can make the product meet the requirement of many special control circuits.

#### Protective Degree

The standard is IP40 and some types can reach Ip67 with the seal cover.

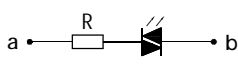
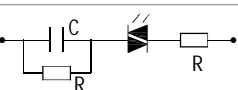

#### Switch Ratings

Rated Insulation Voltage	Ui: 500V				
Thermal Current	Ith:10A				
Rated Voltage	24V	110V	220V	380V	500V
Direct Current	10A	2.2A	1.1A		
Alternating Current P.F=0.7		10A	6A	4A	2A

### Specifications

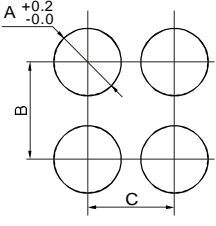
Operating Temperature	-25°C ~ +55°C(no freezing)	
Operating Humidity	45 ~ 85%RH(no condensation)	
Contact Material	- silver - silver alloy - gold-clad silver, cladding thickness is 3 $\mu\text{m}$	
Contact Resistance	$\leq 50\text{m}\Omega$	
Insulation Resistance	$\geq 100\text{M}\Omega$	
Dielectric Strength	3000 V, AC 50Hz	
Vibration Resistance	50Hz,Amplitude 1.0mm p - p	
Shock Resistance	$\geq 10\text{g}$	
Life	Mechanical	Momentary type: $\geq 1,000,000$ times; Alternate type and selector type: $\geq 500,000$ times Key-lock type and emergency type: $\geq 200,000$ times
	Electrical	$\geq 50,000$ times
Terminal	Thread connection, diameter of welded wire: 2 $\times$ 1.5mm maxConnecting link:6.3 $\times$ 0.8mm	
Operating Force	800gf- 2200gf,according to the quantity of switch units	
Operating Travel	A, B, C type:about 5.5mm(pushbutton)	
	K type:about 3.8mm(pushbutton)	

### Lamp Ratings

Lamp Type	AC LED Lamp					Equivalent Circuit	
Rated Voltage	AC/DC 6V	AC/DC 12V	AC/DC 110V	AC/DC 220V	AC/DC 380V		AC/DC: (resistor step-down) 
		AC/DC 24V		AC 110V	AC 220V		
Rated Current	$\leq 20\text{mA}$						AC: (capacitor step-down) 
Life	40,000 hours						
Cover Color							
Suitable Frequency:50 ~ 60Hz							

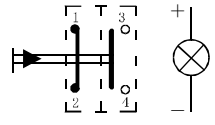
Note: 1. The lamp contains current-limiting resistor inside and doesn't need connect outside.  
2. The standard is using AC/DC LED lamp,DC LED lamp, dual-color LED lamp and other voltages can be customized.

### Installation Dimensions



Category	A	B	C	Remarks
Normal Type	$\Phi 22.5$	$\geq 50$	$\geq 35$	1, Unit:mm 2, Band C both are the minimum size.
Selector Type&Key-lock Type	or $\Phi 25.5$	$\geq 50$	$\geq 35$	
Mushroom	or $\Phi 30.5$	$\geq 50$	$\geq 42$	
Big Mushroom		$\geq 70$	$\geq 70$	

### Circuit Diagram



Switch code : 11  
1,2 are normal closed;  
3,4 are normal opened;