

# Data Sheet

V1\_032022\_en

## Product Overview

### Specs

This series, 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

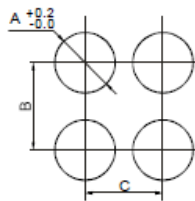
Operating Temperature	-25°C ~ +55°C (no freezing)
Operating Humidity	45 ~ 85%RH (no condensation)
Contact Material	- silver - silver alloy - gold-clad silver, cladding thickness is 3 $\mu\text{m}$
Contact Resistance	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 100\text{M}\Omega$
Dielectric Strength	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 x 1.5mm max Connecting link: 6.3 x 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	AC/DC: (resistor step-down)	
Rated Voltage	AC/DC 6V	AC/DC 12V	AC/DC 110V	AC/DC 220V	AC/DC 380V		AC: (capacitor step-down)	
Rated Current	$\leq 20\text{mA}$							
Life	40,000 hours							
Cover Color	R G Y O B W							
							Suitable Frequency: 50-60Hz	

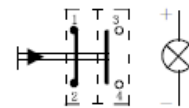
Note: 1. The lamp contains current-limiting resistor inside and doesn't need connect outside.  
2. The standard is using AC/DC LED lamp, DC LED lamp, dual-color LED lamp and other voltages can be customized.

### Installation Dimensions



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

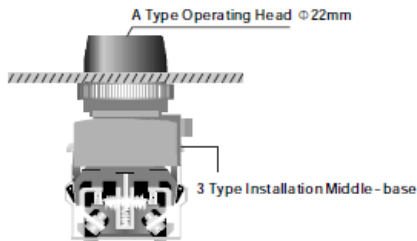
### Circuit Diagram



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

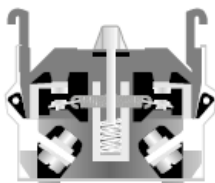
# Data Sheet

## Structure Charts

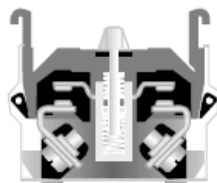


The series product adopt a new connect way for A Type operating head with 3 type quick installation middle-base. It not only realizes the continuity of panel pattern and quality, but also can be installed more easily and saves time for customers.


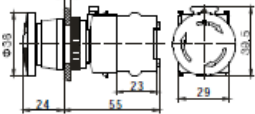

## Switch Base Diagram



Quick-break Switch



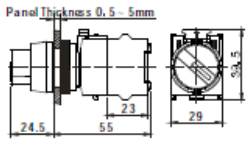


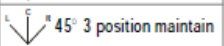
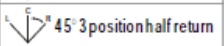
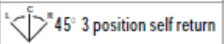


Slow-break Switch

Shape	Operating Type	Type Number	Dimension	Remarks
Emergency Pushbutton 	Push-lock Turn-reset	704622	Panel Thickness 0.5 - 5mm 	

704622 : Emergency button stop switch, AC 250V, 5A  $\Phi$ 22mm, plastic crust

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Shape	Operating Type	Type Number	Dimension	Remarks
	 90° 2 position maintain	704638		
	 90° 2 position return	704658		
	 45° 3 position maintain	704675		
	 45° 3 position half return	704691		
	 45° 3 position self return	704706		

704638 : Selector switch, Two position maintain, AC 250V, 5A  $\Phi$ 22mm,plastic crust

704658 : Selector switch, Two position return, AC 250V, 5A  $\Phi$ 22mm,plastic crust

704675 : Selector switch, Three position maintain, AC 250V, 5A  $\Phi$ 22mm,plastic crust

704691 : Selector switch, Three position half return, AC 250V, 5A  $\Phi$ 22mm,plastic crust

704706 : Selector switch, Three position return, AC 250V, 5A  $\Phi$ 22mm,plastic crust