

Pushbutton Switches

Characteristic

Specs

Having three head shape: round (Φ18mm), square (18×18mm) and rectangular (18×24mm), containing pilot lamps, pushbuttons, illuminated push buttons, selector switches, key-lock switches, buzzer and emergency switches. The nominal diameter of the installation hole is Φ16mm, and some type can be installed in Φ22mm hole easily with the diameter changing circle.

Functions

The product has stable property, small contact resistance, strong insulation resistance, anti-vibration and so on. It meets to standards of IEC60947-5-1, GB14048.5 etc.

Structure

The switch have the advantage of fast-break and self-cleaning, and each of them contains 1NO and 1NC terminal. Every pushbutton also can possess from one to two switch units.

Protective Degree

Its protective degree is IP40.

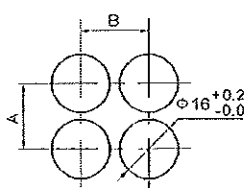
Switch Ratings

Thermal Current I _{th}	5A		
Rated Voltage	24V	125V(110V)	250V(220V)
Direct Current	1A	0.2A	0.1A
Alternating Current	P.F=1	5A	3A
	P.F=0.7	3A	2A

Specifications

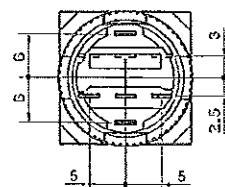
Operating Temperature	-25°C ~ +55°C (no freezing)	
Operating Humidity	45 ~ 85%RH (no condensation)	
Contact Material	- silver - silver alloy - gold-clad silver, cladding thickness is 3 μm	
Contact Resistance	≤ 50mΩ	
Insulation Resistance	≥ 100MΩ	
Dielectric strength	Between contact and terminal pins:	2000V, AC 50Hz, 1 min
	Between terminal of the same pole:	1000V, AC 50Hz, 1 min
	Between terminal of different pole:	2000V, AC 50Hz, 1 min
Vibration Resistance	50Hz, Amplitude 1.2mm p-p	
Shock Resistance	≥ 10g	
Life	Mechanical	
	Momentary Type	1,000,000 times
	Alternate and Selector Type	500,000 times
	Key-lock and Emergency Type	200,000 times
Electrical	≥ 50,000 times	
	Terminal	Diameter of welded wire: 2 × 0.8mm Area of copper wire: 0.75mm ² max Connecting link: 2.8 × 0.5mm
Solder Heat Resistance	230°C (no more than 3 second)	
Operating Travel	(Pushbuttons) about 3mm	

Installation Dimensions

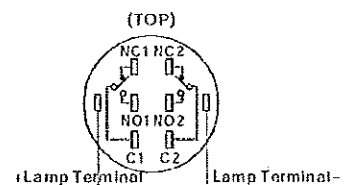


Category	A	B
Round	≥ 18mm	≥ 18mm
Square	≥ 18mm	≥ 18mm
Rectangular	≥ 18mm	≥ 24mm
Mushroom	≥ 24mm	≥ 24mm
Big square	≥ 24mm	≥ 24mm
Big rectangular	≥ 18mm	≥ 24mm

Bottom View



Terminal Arrangement



Emergency Pushbutton

Product Outline

Shape	Contact	Type Number	Remarks
Round 	DPDT 2NO2NC	4/6464	 Protective Degree: IP40

Shape and Dimensions

