

# Datasheet

Item no. 718117

V1\_0717\_01\_en

## Pushbutton Switches

### Characteristic

#### Specs

Having three head shape: round ( $\Phi 18\text{mm}$ ), square ( $18 \times 18\text{mm}$ ) and rectangular ( $18 \times 24\text{mm}$ ), containing pilot lamps, pushbuttons, illuminated push buttons, selector switches, key-lock switches, buzzer and emergency switches. The normal diameter of the installation hole is  $\Phi 16\text{mm}$ , and some type can be installed in  $\Phi 22\text{mm}$  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, IP65, some of type can reach IP67 with the seal cover.

### Lamp Ratings

Lamp Type	AC LED Lamp (Standard)			Neon Lamp	
Rated Voltage	AC/DC6V	AC/DC12V	AC/DC24V	AC110V	AC230V
	AC/DC110V		AC/DC230V		
Cover Color:	<div><div>R</div><div>G</div><div>Y</div><div>O</div><div>B</div><div>W</div></div>			<div><div>R</div><div>G</div></div>	
Life	About 40,000 hours			About 20,000 hours	

Note: the lamp contains a current-limiting resistor inside and doesn't need external connection.

DC LED lamp, dual-color LED lamp and other voltages can be customized.

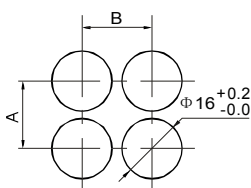
### Switch Ratings

Thermal Current I <sub>th</sub>		5A		
Rated Voltage		24V	125V (110V)	250V (230V)
Direct Current		1A	0.2A	0.1A
Alternating Current	P.F=1		5A	3A
	P.F=0.7		3A	2A

### Specifications

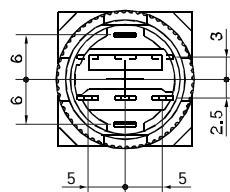
Operating Temperature			- 25℃ ~ +55℃(no freezing)
Operating Humidity			45 ~ 85%RH(no condensation)
Contact Material			- silver - silver alloy - gold -clad silver, cladding thickness is 3 μm
Contact Resistance			≤50MΩ
Insulation Resistance			≥100MΩ
Dielectric strength	Between contact and lamp terminals :		2000V, A C 50Hz, 1 min
	Between terminal of the same pole:		1000V, A C 50Hz, 1 min
	Between terminal of different pole:		2000V, A C 50Hz, 1 min
Vibration Resistance			50Hz, Amplitude 1.2mm p - p
Shock Resistance			≥10g
Life	Mechanical	Momentary Type	1,000,000times
		Alternate and Selector Type	500,000 times
		Key-lock and Emergency Type	200,000 times
	Electrical		≥50,000times
Terminal			Diameter of welded wire:2×0.8mm Area of copper wire: 0.75 mm2 max Connecting link: 2.8×0.5 mm
Solder Heat Resistance			230℃(no more than 3 second)
Operating Travel			(Pushbuttons) about 3mm

### Installation Dimensions

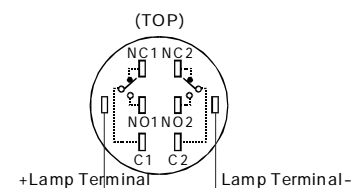


Category	A	B
Round	≥18mm	≥18mm
Square	≥18mm	≥18mm
Rectangular	≥18mm	≥24mm
Mushroom	≥24mm	≥24mm
Big square	≥24mm	≥24mm
Big rectangular	≥18mm	≥24mm

### Bottom View



### Terminal Arrangement

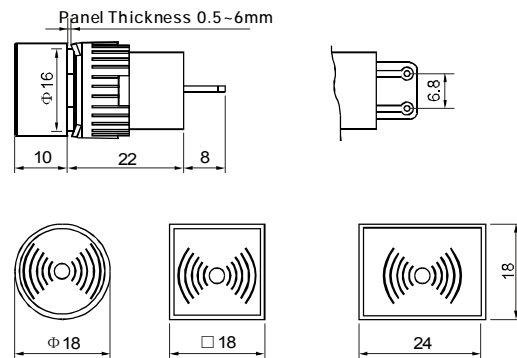


## Buzzer Units

## Specifications

<b>Operating Temperature</b>	- 25°C ~ 55°C
<b>Operating Humidity</b>	45 ~ 85%RH
<b>Dielectric Strength</b>	1000V
<b>Sound Duration</b>	Continuous, Discontinuous
<b>Rated Sound Pressure &amp; Frequency</b>	75dB(1m)(Rated Voltage) 2300 ± 300Hz
<b>Operating Voltage</b>	6VDC;12VDC;24VDC; 110VAC;230VAC
<b>Rated Operating Current:</b>	≤28 mA

## Shape and Dimensions



## Product Cutline

Type Number	718117
Shape	

718117 : Round Buzzer, 12V/DC, 6.75g (included rubber ring), Ø 18.4 x 39.6 mm, Ø 15.7mm (at the screw thread), 33 mA (at DC12V), IP40

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