LAS1 Series A Type Pushbutton Switches

Characteristic

Specs

Having three head shape: round (Φ 18mm), square (18 × 18mm) and rectangular (18 × 24mm), containing pilot lamps, pushbuttons, illuminated push buttons, selector switches, key-lock switches, buzzer and emergency switchs. The normal diameter of the installation hole is Φ 16mm, and some type can be installed in Φ 22mm hole easily with the diameter changing circle.

Functions

The product has stable property, small contact resistance, strong insulation resistance, anti-vibration and so on .lt 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 1 NO and 1 NC 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.

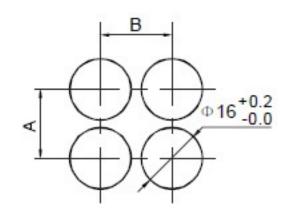
Lamp Ratings

Lamp Type	AC LED Lamp (Standard)				Neon Lamp	
Rated Voltage	AC/DC6V	AC/DC12V AC/DC24V		404400	AC220V	
	AC/DC11	OC110V AC/DC220V		AC110V		
Cover Color:	R	3 Y	0	W	R	G
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.

Installation Dimensions



Category	Α	В
Round	≥ 18mm	≥18mm
Square	≥ 18mm	≥ 18mm
Rectangular	≥ 18mm	≥24mm
Mushroom	≥ 24mm	≥24mm
Big square	≥ 24mm	≥24mm
Big rectangular	≥ 18mm	≥24mm

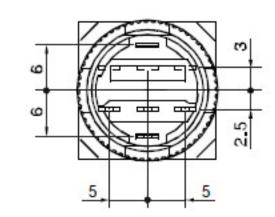
Switch Ratings

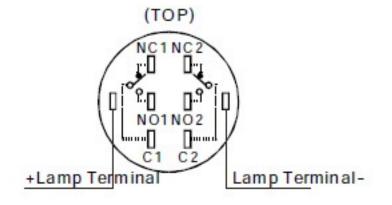
Thermal C	urrent Ith	5A					
Rated Voltage		24V	125V (110V)	250V (220V)			
Direct Current		1A	0.2A	0.1A			
Alternating	P.F=1		5A	3A			
Current	P.F=0.7		3A	2A			

Specifications

Operating Temperature			-25°C ~ +55°C(no freezing)			
Operating Humidity			45 ~ 85%RH(no condensation)			
Contact Material		tact Material	- silver - silver alloy - gold - clad silver, cladding thickness is 3 μ m			
Contact Resistance		ct Resistance	≤50 M Ω			
Ins	ulat	ion Resistance	≥100 MΩ			
.은 _ Between contact and lamp terminals :		een contact and lamp terminals :	2000V, A C 50Hz, 1 min			
Dielectric strength	Between terminal of the same pole:		1000V, AC 50Hz, 1 min			
Die	Betw	een terminal of different pole:	2000V, A C 50Hz, 1 min			
Vit	Vibration Resistance		50Hz, Amplitude 1.2mm p-p			
S	hoc	k Resistance	≥10g			
	Me	Momentary Type	1,000,000times			
	Mechanical	Alternate and Selector Type	500,000 times			
Life		Key-lock and Emergency Type	200,000 times			
	Electrical		≥50,000times			
Terminal		Terminal	Diameter of welded wire:2×0.8mm Area of copper wire: 0.75mm2 max Connecting link: 2.8×0.5mm			
Solder Heat Resistance		Heat Resistance	230°C(no more than 3 second)			
Operating Travel		rating Travel	(Pushbuttons) about 3mm			

Bottom View Terminal Arrangement





Implication of Type

LAS1-A	*		/ ◊◆	/ 🛆 /	A	<u></u>
Code of series	The front shape: Y round F square J rectangular M mushroom DF big square DJ big rectangular	Code name of derivative products: D pilot lamp Z alternate type X selector type Y key-lock type TS emergency B buzzer type No letter means momentary	 :expresses selectorand key-lock series: 2 two position 3 three position ◆:expresses key-lock retention position 	color:: R red G green Y yellow O orange B blue W white N black	Lamp Voltage (Please check the lamp rating)	Protective Degree: P IP65 FP IP67 No letter means IP40

LAS1-A Key-lock Switches

Product Cutline

Shape	Position	Key Retained at Position●	Contact	Туре	Remarks
Round		Q	SPDT	LAS1-AY-11Y/2A/©	
			DPDT	LAS1-AY-22Y/2A/©	
	L R	%	SPDT	LAS1-AY-11Y/2B/©	
	90° 2 Position		DPDT	LAS1-AY-22Y/2B/©	
	30 21 0311011	0 0	SPDT	LAS1-AY-11Y/2C/©	
			DPDT	LAS1-AY-22Y/2C/	
		999	DPDT	LAS1-AY-22Y/3A/©	
		99	DPDT	LAS1-AY-22Y/3B/©	
	L C R	• • •	DPDT	LAS1-AY-22Y/3C/©	
		• • •	DPDT	LAS1-AY-22Y/3D/©	
	45° 3 Position	99	DPDT	LAS1-AY-22Y/3E/©	
		99	DPDT	LAS1-AY-22Y/3G/©	
		• • •	DPDT	LAS1-AY-22Y/3H/©	
Square		Q 9	SPDT	LAS1-AF-11Y/2A/©	1
			DPDT	LAS1-AF-22Y/2A/©	
	L R	29	SPDT	LAS1-AF-11Y/2B/©	
	90° 2 Position		DPDT	LAS1-AF-22Y/2B/©	Two koys are supplied
3	30 21 0311011	0,9	SPDT	LAS1-AF-11Y/2C/©	 Two keys are supplied.
			DPDT	LAS1-AF-22Y/2C/©	 All the keys are same
	45° 3 Position	99	DPDT	LAS1-AF-22Y/3A/©	Protective Degree:
		99	DPDT	LAS1-AF-22Y/3B/©	IP40,IP65
		•••	DPDT	LAS1-AF-22Y/3C/©	
		•••	DPDT	LAS1-AF-22Y/3D/©	
		99	DPDT	LAS1-AF-22Y/3E/©	
		999	DPDT	LAS1-AF-22Y/3G/©	
		• • •	DPDT	LAS1-AF-22Y/3H/©	
rectangular	90° 2 Position	%	SPDT	LAS1-AJ-11Y/2A/©	
			DPDT	LAS1-AJ-22Y/2A/©	
		9	SPDT	LAS1-AJ-11Y/2B/©	
			DPDT	LAS1-AJ-22Y/2B/©	
		• •	SPDT	LAS1-AJ-11Y/2C/©	
			DPDT	LAS1-AJ-22Y/2C/©	
	45° 3 Position	99	DPDT	LAS1-AJ-22Y/3A/©	
		99	DPDT	LAS1-AJ-22Y/3B/©	
		• • •	DPDT	LAS1-AJ-22Y/3C/©	
		• • •	DPDT	LAS1-AJ-22Y/3D/©	
		99	DPDT	LAS1-AJ-22Y/3E/©	
		P.9.0	DPDT	LAS1-AJ-22Y/3G/©	
		• • •	DPDT	LAS1-AJ-22Y/3H/©	

Shape and Dimensions

