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.

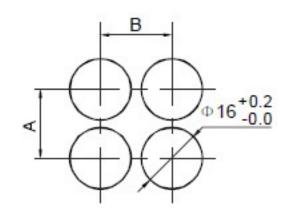
Lamp Ratings

Lamp Type	AC LED Lamp (Standard)			Neon Lamp		
Rated Voltage	AC/DC6V	AC/DC6V AC/DC12V AC/DC24V		404400		
	AC/DC11	110V AC/DC220V		AC110V	AC220V	
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

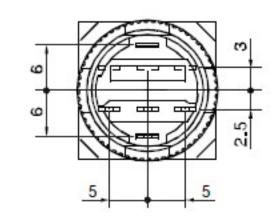
Switch Ratings

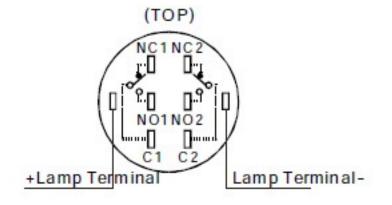
Thermal C	urrent Ith		5A		
Rated Voltage Direct Current		24V	125V (110V)	250V(220V	
		1A	0.2A	0.1A	
Alternating	P.F=1		5A	3A	
Current	P.F=0.7		3A	2A	

Specifications

Operating Temperature		ng Temperature	-25°C ~ +55°C(no freezing)	
Operating Humidity		ating 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	
Insulation Resistance		ion Resistance	≥100MΩ	
.일 _ 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	Between 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	
	Mechanica	Alternate and Selector Type	500,000 times	
Life	ical	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	
Solo	der I	Heat Resistance	230℃(no more than 3 second)	
Operating Travel		rating Travel	(Pushbuttons) about 3mm	

Bottom View Terminal Arrangement





Implication of Type

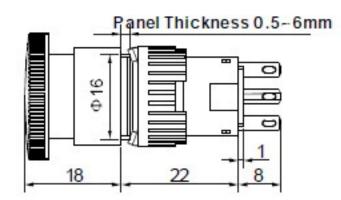
LAS1-A	*		/ ◊◆	/ 🛆 /	A	(©
Code of series	The front shape: Y round F square J rectangular M mushroom DF big square DJ big rectangular	Code name of derivative products: D pilot lamp Z alternate type X selector type Y key-lock type TS emergency B buzzer type No letter means momentary	 :expresses selectorand 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 Emergency Pushbutton

Product Cutline

Shape	Contact	Type Number	Remrks	
Round	SPDT	LAS1-AY-11TS/△/©	RG	
	DPDT	LAS1-AY-22TS/△/©	Protective Degree: IP40, IP65	

Shape and Dimensions



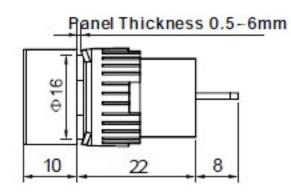


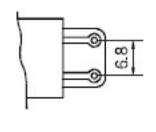
LAS1-A Buzzer Units

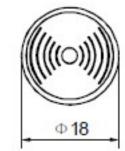
Specifications

Operating Temperature	-25℃ ~55℃		
Operating Humidity	45-85%RH		
Dielectric Strength	1000V		
Sound Duration	Continuous, Discontinuous		
Rated Sound Pressure & Frequency	75 dB(1m)(Rated Voltage) 2300 ± 300Hz		
Operating Voltage	6VDC;12VDC;24VDC; 110VAC;220VAC		

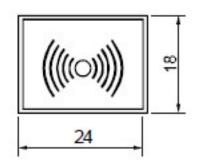
Shape and Dimensions











Product Cutline

Type Number	LAS1-AY-B/▲	LAS1-AF-B/▲	LAS1-AJ-B/▲
Shape			