

LAS1 Series A Type Pushbutton Switches

Characteristic

Specs

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

Functions

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

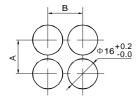
Lamp Ratings

Lamp Type	AC LED Lamp (Standard)			Neon Lamp		
Rated Voltage	AC/DC6V	AC/DC12V AC/DC24V		401101/ 400001/		
	AC/DC11	110V AC/DC220V			AC110V	AC220V
Cover Color:	R G Y O B 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

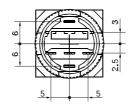
Switch Ratings

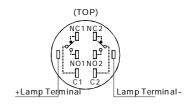
Thermal Current 1th			5 A	
Rated Voltage		24V	125V (110V)	250V(220V)
Direct Current		1A	0.2A	0.1A
Alternating	P.F=1		5 A	3A
Current	P.F=0.7		3 A	2A

Specifications

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

Terminal Arrangement **Bottom View**





Implication of Type

LAS1-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/△/◎	

Shape and Dimensions

