

Characteristic

LAS2/3/4 series products have compact structure, three head shapes of round, square and rectangular, are the best choice of user for small panel.

Specs Including pushbutton, signal light; mounting hole diameter is $\Phi 12\text{mm}$ (LAS2), $\Phi 10\text{mm}$ (LAS3), $\Phi 8\text{mm}$ (LAS4).

Performance Stable function, low contact resistance, strong insulation resistance and anti-vibration etc.

Structure Use fast-break structure, each switch element contains 1NO1NC. LAS2 could use 2 switch elements at most; LAS3 and LAS4 could use 1 switch element at most.

Protective Degree IP40



Switch Ratings

Rated Insulation Voltage Ui		250V				
Thermal Current Ith		3A Temperature rise can't over the Max. rating current				
Rated Voltage		12V	24V	110V	220V	
Rated Current	AC 50/60Hz	Resistive Load	—	—	1A	0.5A
		Inductive Load	—	—	0.7A	0.5A
	DC	Resistive Load	1A	1A	0.2A	—
		Inductive Load	0.7A	0.7A	0.1A	—
Contact Material		Silver Alloy				

Minimum load: 3VAC/DC 5mA (use range depend on operation environment and load type)

Specification

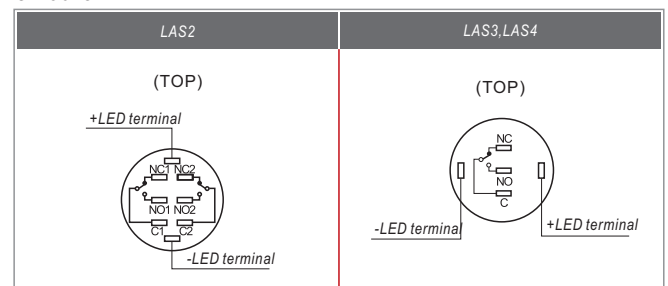
Operating Temperature	-25°C~+55°C (no freezing) Keep good ventilation round the switch.	
Operating Humidity	45~85%RH (no condensation)	
Contact Resistance	≤50mΩ	
Insulation Resistance	>100MΩ (500VDC)	
Dielectric Strength	Between contact and LED terminals	1500V, AC 50Hz, 1 min
	Between terminals of the same pole	1500V, AC 50Hz, 1 min
	Between terminals of different poles	2000V, AC 50Hz, 1 min
Operating Travel	About 3mm	
Solder Heat Resistance	320°C 3s	
Mechanical Life	Momentary: 200,000 times; Latching: 100,000 times	
Electrical Life	≥50,000 cycles	

Lamp Ratings

Lamp Type	AC LED			
Rated Voltage	AC/DC6V	AC/DC12V	AC/DC24V	
	AC/DC110V		AC/DC220V	
LED Color	R	G	Y B W	
Life	About 40000 hours			



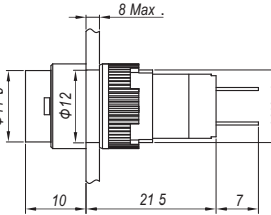



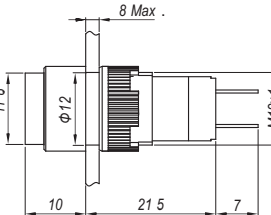



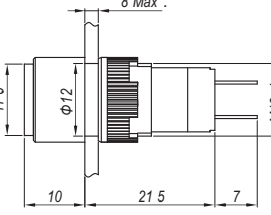
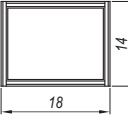

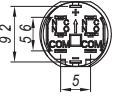
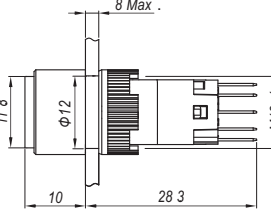
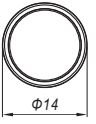

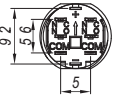
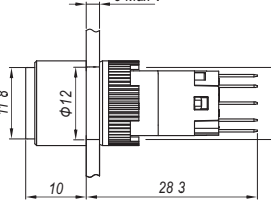
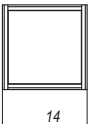

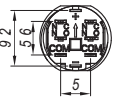
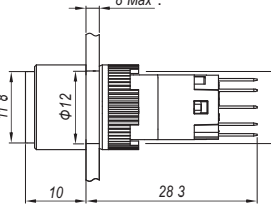
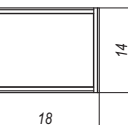
Note: need external resistor for the pushbutton need external resistor for the pushbutton over 60V (refer to the diagram); others use internal resistor. DC LED could be customized; red & green dual-color LED could be customized.

Circuit


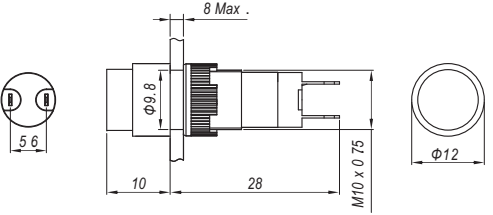

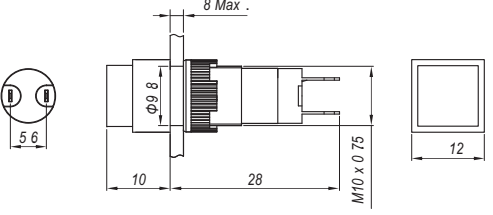

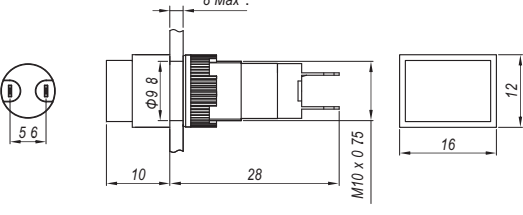

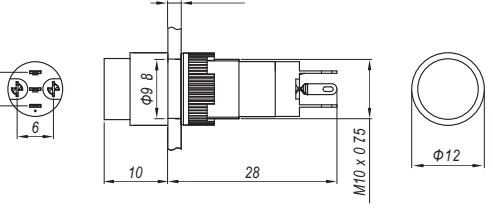

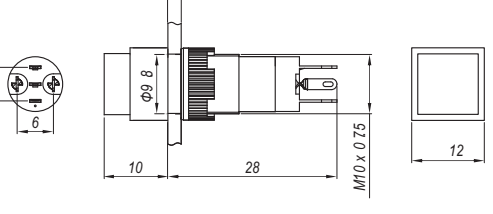

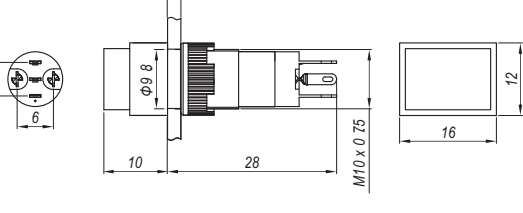



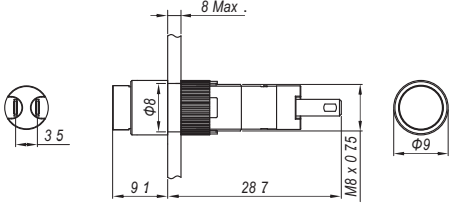

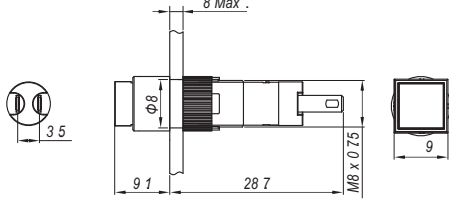

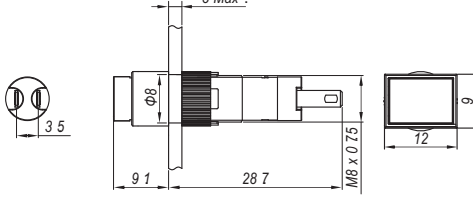

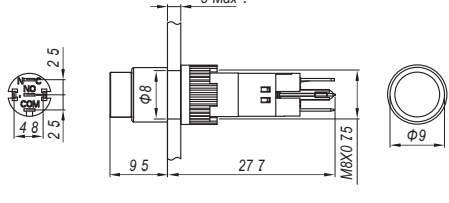

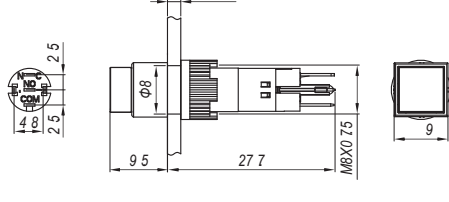

Installation Dimension

	Type	LAS2			LAS3			LAS4		
		A	B	C	A	B	C	A	B	C
	Round	12mm	14mm	≥14mm	10mm	≥12mm	≥12mm	8mm	10mm	10mm
	Sqaure	12mm	14mm	14mm	10mm	12mm	12mm	8mm	10mm	10mm
Rectangular	12mm	≥14mm	18mm	10mm	12mm	≥16mm	8mm	10mm	14mm	

Φ12mm Product Outline	Specification	Dimension		
 <p>Signal Light LAS2Y-D/Δ/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>			
 <p>Signal Light LAS2F-D/Δ/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>			
 <p>Signal Light LAS2J-D/Δ/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>			
 <p>Pushbutton(can be illuminated) LAS2Y-□ ■/Δ/▲</p>	<p>Contact□ 11: 1NO1NC / 22: 2NO2NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p> <p>Accessory Solder Terminal S20 / PCB Terminal S20-A / Sealing Cover S09-S2Y</p>			
 <p>Pushbutton(can be illuminated) LAS2F-□ ■/Δ/▲</p>	<p>Contact□ 11: 1NO1NC / 22: 2NO2NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p> <p>Accessory Solder Terminal S20 / PCB Terminal S20-A / Sealing Cover S09-S2F</p>			
 <p>Pushbutton(can be illuminated) LAS2J-□ ■/Δ/▲</p>	<p>Contact□ 11: 1NO1NC / 22: 2NO2NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p> <p>Accessory Solder Terminal S20 / PCB Terminal S20-A / Sealing Cover S09-S2J</p>			



Φ10mm Product Cutline	Specification	Dimension
 <p>Signal Light LAS3Y-D/△/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Signal Light LAS3F-D/△/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Signal Light LAS3J-D/△/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Pushbutton(can be illuminated) LAS3Y-11■/△/▲</p>	<p>Contact 11: 1NO1NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Pushbutton(can be illuminated) LAS3F-11■/△/▲</p>	<p>Contact 11: 1NO1NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Pushbutton(can be illuminated) LAS3J-11■/△/▲</p>	<p>Contact 11: 1NO1NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p>	

Φ8mm Product Cutline	Specification	Dimension
 <p>Signal Light LAS4Y-D/△/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Signal Light LAS4F-D/△/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Signal Light LAS4J-D/△/▲</p>	<p>LED Color△ R G Y B W</p> <p>LED Voltage▲ 6V / 12V / 24V / 110V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Pushbutton(can be illuminated) LAS4Y-11■/△/▲</p>	<p>Contact 11: 1NO1NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Pushbutton(can be illuminated) LAS4F-11■/△/▲</p>	<p>Contact 11: 1NO1NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p>	
 <p>Pushbutton(can be illuminated) LAS4J-11■/△/▲</p>	<p>Contact 11: 1NO1NC</p> <p>Operation Type No letter means momentary / Z: Latching</p> <p>Color△ R G Y B W N</p> <p>LED Voltage▲ 6V / 12V / 24V / 220V</p> <p>Protection Degree IP40</p>	