

Characteristic

LAS1-A series products have complete range, wide market application, some products have three types of head shape: round, square and rectangular (see details from content page)£ the structure is used by multi-series products of our company's products, is well received by users. The P(W) type pushbutton and signal light use veneering installation, the front frame is only 2mm higher over panel, is fashionable and goodlooking.

Specs Including pushbutton, signal light, emergency-stop switch, key-lock switch, selector switch and mushroom switch; mounting hole diameter is Φ 16mm, Φ 22mm, 21X21mm(square) and 21X27mm(rectangular).

Performance Stable function, low contact resistance, strong insulation resistance and anti-vibration etc. Meet the standards of IEC60947-5-1, GB/T14048.5 etc.

Structure The switch element is "fast-motion". Each element contains 1NO+1NC contacts, each pushbutton could use 2 pcs elements at most.

Protective Degree The standard is IP40, some can be customized for IP65.

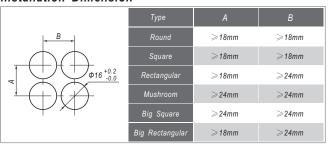


Switch Ratings

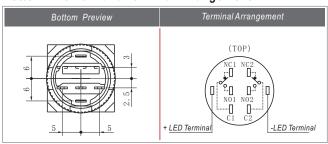
Rated Insulation Voltage Ui			250V			
Thermal Current Ith			5 A Temperature rise can't over the Max. rating current			
Rated Voltage		12V	24V	110V	220V	
Rated Current	AC 50/60Hz	Resistive Load	_	_	1A	0.5A
		Inductive Load	_	_	0.7A	0.5A
	DC	Resistive Load	1A	1A	0.2A	_
		Inductive Load	0.7A	0.7A	0.1A	_
Contact Material			Silver Alloy			

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

Installation Dimension



Bottom Preview and Terminal Arrangement



Specification

opoon.				
	Operating Temperature	-25°C~+55°C (no freezing)		
	Operating reinperature	Keep good ventilation round the switch.		
Operating Humidity		45~85%RH(no condensation)		
Contact Resistance		≤50mΩ		
Insulation Resistance		>100M \Omega (500VDC)		
Rated insulation Voltage		250VAC/DC		
	Between contact and LED terminals	2000VAC, 50Hz, 1 min		
Dielectric Strength	Between terminals of the same pole	1500VAC, 50Hz, 1 min		
	Between terminals of different poles	2000VAC, 50Hz, 1 min		
	Vibration Resistance	50Hz, amplitude 1.2mm		
Ме	Momentary Pushbutton	1,000,000 times		
Mechanica Life	Latching Pushbutton, Selector Switch	500,000 times		
ical	Key-lock Switch	200,000 times		
	Electrical Life	50,000 times		
		Diameter of wire:2×0.8mm max		
Wiring		Area of copper wire: 0.75mm²		
		Pin Terminal:2.8×0.5mm		
	Solder Heat Resistance	320°○ 3s		
	Operating Travel	About 3mm		
	Operating Force	About 1.7N(1NO1NC) / About 3N(2NO2NC		

Lamp Ratings

LED Life	Current	Allowable Voltage Fluctuation Range	Circuit Diagram
≥40000 hours	≤24V about 15mA ≥110V about 2mA	DC: ±10% AC: ±20%	a • R b b Use internal resistor and no distinction between positive and negative poles.



Φ16mm Product Cutline

Specification

Dimension

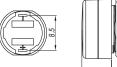


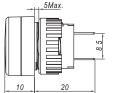
 $LED\ Color \triangle$ R G Y B W

LED Voltage ▲ 6V / 12V / 24V / 110V / 220V Protection Degree ※ No letter means IP40 / P:IP65

Accessory Switch Guard S01 / Scutcheon Frame S19 /

Sealing Cover S09-S1Y









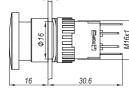
Contact_□ 11: 1NO1NC / 22: 2NO2NC Operation Type No letter means momentary / Z: Latching

Color △ R G

LED Voltage ▲ 6V / 12V / 24V / 110V / 220V Protection Degree ※ No letter means IP40 / P:IP65 Solder Terminal S04 / PCB Terminal S05 / Accessory

Switch Guard T34-16





6 Max





LAS1-ADF-□ ■/△/▲/※

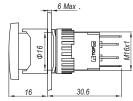
Contact_□ 11: 1NO1NC / 22: 2NO2NC

No letter means momentary / Z: Latching Operation Type

 $Color \triangle$ R G Y

6V/12V/24V/110V/220V LED Voltage ▲ Protection Degree ※ No letter means IP40 / P:IP65 Accessory Solder Terminal S04 / PCB Terminal S05









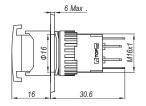
Big Rectangular Pushbutton(can be illuminated)
LAS1-ADJ-□ ■/△/▲/※

11: 1NO1NC / 22: 2NO2NC Contact_□

Operation Type No letter means momentary / Z: Latching R G Y

 $\textit{Color} \triangle$

LED Voltage ▲ 6V/12V/24V/110V/220V Protection Degree[※] No letter means IP40 / P:IP65 Accessory Solder Terminal S04 / PCB Terminal S05



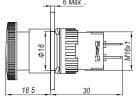




11: 1NO1NC / 22: 2NO2NC Contact_□ No letter means IP40 / P:IP65 Accessory Solder Terminal S04 / PCB Terminal S05 /

Warning Ring S18







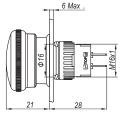


11: 1NO1NC / 22: 2NO2NC Contact_□ No letter means IP40 / P:IP65 Protection Degree ※ Accessory

Solder Terminal S04 / PCB Terminal S05 /

Switch Guard T34-16



















Characteristic

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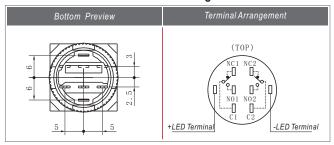
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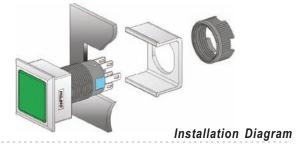
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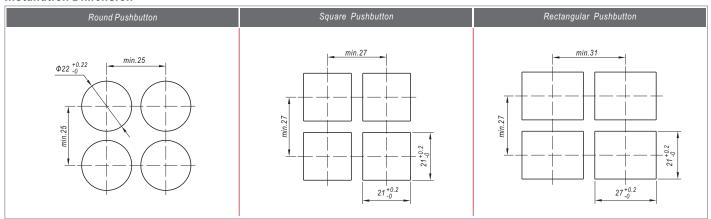
Bottom Preview and Terminal Arrangement





Ultrathin, could be customized for symbol, illluminated pushbutton Thickness over the panel is only 2mm

Installation Dimension





Product Cutline Specification Dimension

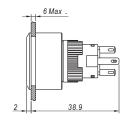


11: 1NO1NC / 22: 2NO2NC Contact_□ Operation Type No letter means momentary / Z: Latching R G Y B W N $Color \triangle$

LED Voltage ▲ 6V/12V/24V/110V/220V No letter means IP40 / P:IP65 Protection Degree ※

Scutcheon Frame T04 / Switch Guard T21-22 / Accessory

Solder Terminal S04 / PCB Terminal S05





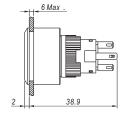


11: 1NO1NC / 22: 2NO2NC Contact₋ Operation Type No letter means momentary / Z: Latching R G Y B W N $Color \triangle$

LED Voltage ▲ 6V/12V/24V/110V/220V No letter means IP40 / P:IP65 Protection Degree ※

Accessory

Scutcheon Frame T04 / Switch Guard T21-22 / Solder Terminal S04 / PCB Terminal S05



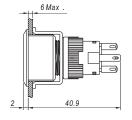


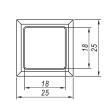


Contact_□ 11: 1NO1NC / 22: 2NO2NC Operation Type No letter means momentary / Z: Latching R G Y B W N Color △

LED Voltage ▲ 6V/12V/24V/110V/220V Protection Degree ※ No letter means IP40 / P:IP65 Switch Guard T22 / Solder Terminal S04 / Accessory

PCB Terminal S05



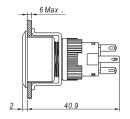


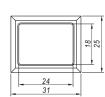


 $\textit{Contact}_{\square}$ 11: 1NO1NC / 22: 2NO2NC Operation Type No letter means momentary / Z: Latching R G Y B W N Color △ LED Voltage ▲ 6V/12V/24V/110V/220V

No letter means IP40 / P:IP65 Protection Degree ※ Switch Guard T23 / Solder Terminal S04 / Accessorv

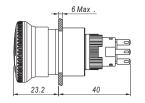
PCB Terminal S05







11: 1NO1NC / 22: 2NO2NC Contact_□ No letter means IP40 / P:IP65 Accessory Emergency Stop Switch Guard T26

















Black Frame Product (can refer to LAS1-AW silvery frame product to choose part number)



LAS1-A22 Short-body Emergency Stop Switch

Shape	Contacct	Part Number	Dimension and Explaination
(non-illuminated) (illuminated)	1NC	LAS1-A22Y-01TSB LAS1-A22Y-01TSB/R/▲	10 7 5 Max.
	2NC	LAS1-A22Y-02TSB LAS1-A22Y-02TSB/R/▲	Terminal Arrangement 27 17.7 Top View
Round	1NO1NC	LAS1-A22Y-11TSB LAS1-A22Y-11TSB/R/▲	Terminal Arrangement 27 17 7 Top View
(non-illuminated) (illuminated)	1NC	LAS1-A22Y-01TSB/L LAS1-A22Y-01TSB/L/R/▲	5 Max.
(0)(0)	2NC	LAS1-A22Y-02TSB/L LAS1-A22Y-02TSB/L/R/▲	
Round	1NO1NC	LAS1-A22Y-11TSB/L LAS1-A22Y-11TSB/L/R/▲	□ 27 □ 13 7 □ Top View © Protection Degree:IP65 © Can be illuminated, LED Color: red © LED Voltage(▲):6V/12V/24V/110V/220V