

# LAS1GQ series

The installation hole diameter is  $\Phi$  19mm ;

- ☆ The switch is "quick action | single pole double throw";
- ☆ The rated value of this series of switches is up to 220VAC/5A, with stable performance and durability, which is the best choice for high current users;
- ☆ The waterproof grade of the product is IP65/IP67.



## LAS1GQ series model description

LAS1GQ☆-□■◇/◆/▲/◎

Symbol	Symbol name	Specify
	Head shape	H: High round / No letter means flat round
	Contact Structure	11: 1NO1NC / No digital means indicator
	Operation type	Z: Latching / No letter means momentary
◇	Illuminated Type	D: ●Dot illuminated / E: ○Ring illuminated/ DT: ⊙Single Power Symbol / ET: ⊕Ring+power symbol illuminated / No letters mean no lights
◆	Wiring type	L: Terminal / No letter means the lug
	Color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
	Voltage	6V / 12V / 24V / 110V / 220V other voltage levels can be customized.
	Housing Material	S: Stainless steel / A: Aluminium alloy (Black)

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

## Performance Characteristic

Operating Temp	-25°C~+55°C (Non freezing) Keep the switch air circulating well
Operating Humidity	45~85% RH(Non condensing)
Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 100MΩ (500VDC)
Max. withstanding voltage	1500VAC, 50Hz, 1min
Vibration resistance	50Hz, The amplitude is about 1.2mm
Solder heat resistance	320°C 3s
Switch rating	2A/220VAC
Mechanical Life	1,000,000 cycles
Electrical Life	50,000 cycles
Base material	PC
Nut torque	About 0.8Nm
Torque	about 4N (IP65), about 5N (IP67)
Operation Travel	About 2.5mm
Protection class	IP65(IP67 can be customized), IK09

## Switch Rating

Rated Insulation Voltage Ui		250V
Thermal Current I <sub>th</sub>		20A
Rated voltage		220V
Rated Operation Current	AC 50/60Hz	Resistive load 15A Inductive load 5A
	DC	Inductive load 2A
	Contact material Silver Alloy	

Minimum load: 3V AC/DC, 5mA (Reference)

Application scope depends on operating environment and load type.

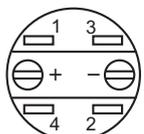
## Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017	CCC	2020970305003363
EN61058-1:2018	CE	UDEM M 2021 206 C62197

## Switch structure description

Type	Diagram	Symbol
Za		

## Pin Description



1. 2 is normally closed contact NC;  
3. 4 is normally open contact NO;  
The + and - pins are lamp bead pins, and there is no positive and negative pole distinction in conventional lamp bead configurations; The lamp bead is relatively independent from the switch, and the lamp bead state can be controlled through the switch or peripheral circuit.

## LED Specifications

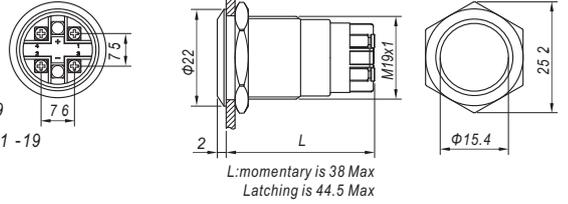
LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥ 40000 hours	≤ 24V about 15mA ≥ 110V about 2mA	DC: ± 10%	 <p>The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.</p>





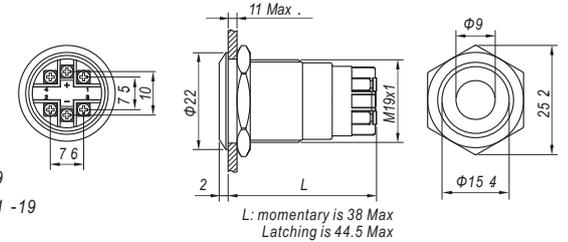
LAS1GQ-11 L/S

Contact Structure 11: 1NO1NC  
 Operation type ■ Z: Latching / No letter means momentary  
 Housing Material S: Stainless steel  
 Protection class IP65(momentary IP67can be customized),IK09  
 Applicable accessories Sealing cover M12-19F / Protection cover T21 -19



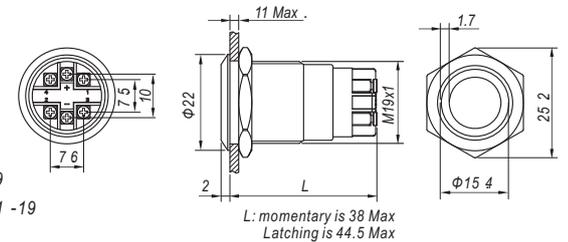
LAS1GQ-11 D/L/Δ/▲/S

Contact Structure 11: 1NO1NC  
 Operation type ■ Z: Latching / No letter means momentary  
 Color R G Y B W  
 Voltage 6V/12V/24V/110V/220V  
 Housing Material S: Stainless steel  
 Protection class IP65(momentary IP67can be customized),IK09  
 Applicable accessories Sealing cover M12-19F / Protection cover T21 -19



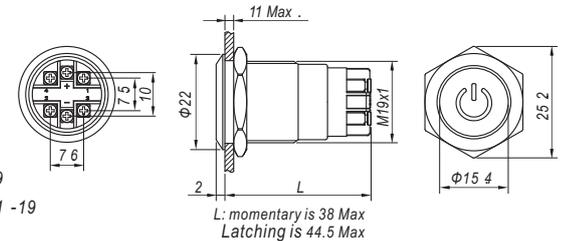
LAS1GQ-11 E/L/Δ/▲/S

Contact Structure 11: 1NO1NC  
 Operation type ■ Z: Latching / No letter means momentary  
 Color R G Y B W  
 Voltage 6V/12V/24V/110V/220V  
 Housing Material S: Stainless steel  
 Protection class IP65(momentary IP67can be customized),IK09  
 Applicable accessories Sealing cover M12-19F / Protection cover T21 -19



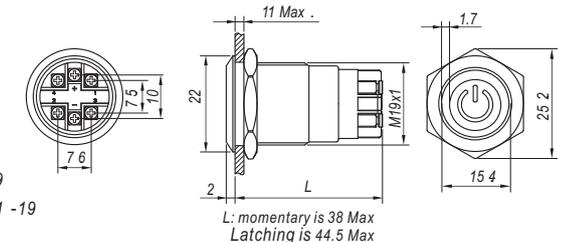
LAS1GQ-11 DT/L/Δ/▲/S

Contact Structure 11: 1NO1NC  
 Operation type ■ Z: Latching / No letter means momentary  
 Color R G Y B W  
 Voltage 6V/12V/24V/110V/220V  
 Housing Material S: Stainless steel  
 Protection class IP65(momentary IP67can be customized),IK09  
 Applicable accessories Sealing cover M12-19F / Protection cover T21 -19



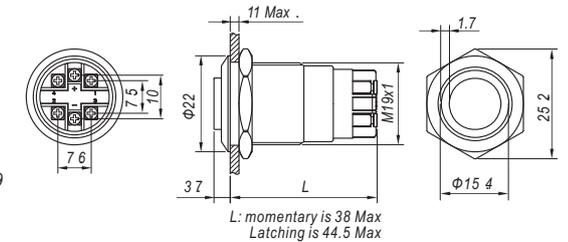
LAS1GQ-11 ET/L/Δ/▲/S

Contact Structure 11: 1NO1NC  
 Operation type ■ Z: Latching / No letter means momentary  
 Color R G Y B W  
 Voltage 6V/12V/24V/110V/220V  
 Housing Material S: Stainless steel  
 Protection class IP65(momentary IP67can be customized),IK09  
 Applicable accessories Sealing cover M12-19F / Protection cover T21 -19



LAS1GQH-11 E/L/Δ/▲/S

Contact Structure 11: 1NO1NC  
 Operation type ■ Z: Latching / No letter means momentary  
 Color R G Y B W  
 Voltage 6V/12V/24V/110V/220V  
 Housing Material S: Stainless steel  
 Protection class IP65(momentary IP67can be customized),IK09  
 Applicable accessories Sealing cover M12-19H



Sealing cover M12-19F



Sealing cover M12-19H



Protection cover T21-19



Panel plug M02