

MR-LAS1GQ series

- ☆ The installation hole diameter is $\Phi 19\text{mm}$;
- ☆ 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.

MR-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	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 100\text{M}\Omega$ (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

LED Specifications

LED life	Current	Allowable voltage fluctuation range	Circuit diagram
≥ 40000 hours	$\leq 24\text{V}$ about 15mA $\geq 110\text{V}$ about 2mA	DC: $\pm 10\%$	 The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.

Switch Rating

Rated Insulation Voltage U_i		250V
Thermal Current I_{th}		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.

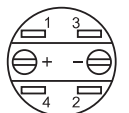
Standards and certification

Corresponding standard	Certification mark	Certification authority / certification number
GB/T 14048.5-2017		
EN61058-1:2018		

Switch structure description

Type	Diagram	Symbol
Za		

Pin Description

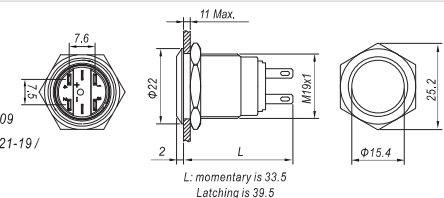
	1. 2 is normally closed contact NC; 3. 4 is normally open contact NO; The + and - pins are lamp bead pins, and there is no positive and negative pole distinction in conventional lamp bead configurations; The lamp bead is relatively independent from the switch, and the lamp bead state can be controlled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

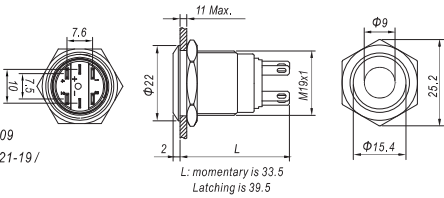
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MR-LAS1GQ-11DT-L MR-LAS1GQ-11E MR-LAS1GQ-11E-L MR-LAS1GQ-11ET MR-LAS1GQ-11ET-L
MR-LAS1GQH-11E MR-LAS1GQH-11E-L

19 MM HIGH-CURRENT METAL PUSH BUTTON			
MR-LAS1GQ SERIES			
PART NO	MR-LAS1GQ		
DWG NO	MR-LAS1GQ	SHEET 1 OF 3	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

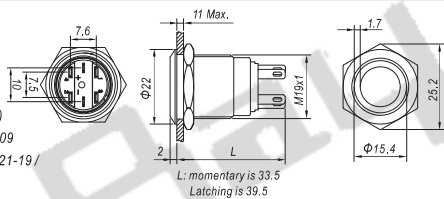
Contact Structure 11: 1NO1NC
Operation type ■ Z: Latching / No letter means momentary
Housing Material S: Stainless steel
Protection class IP65(momentary IP67can be customized),IK09
Applicable accessories Sealing cover M12-19F / Protection cover T21-19 / Solder socket S21 / PCB socket S22



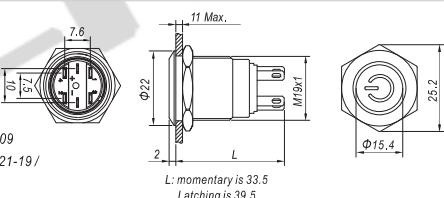
Contact Structure 11: 1NO1NC
Operation type ■ Z: Latching / No letter means momentary
Color △ R G Y B W
Voltage ▲ 6V/12V/24V/110V/220V
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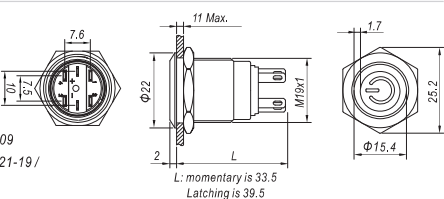
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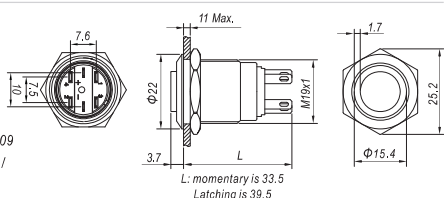
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Contact Structure 11: 1NO1NC
Operation type ■ Z: Latching / No letter means momentary
Color △ R G Y B W
Voltage ▲ 6V/12V/24V/110V/220V
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Applicable accessories Sealing cover M12-19H / Solder socket S21 / PCB socket S22

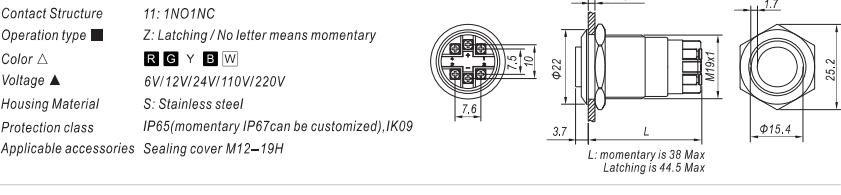
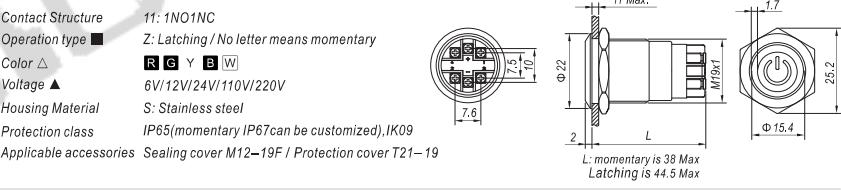
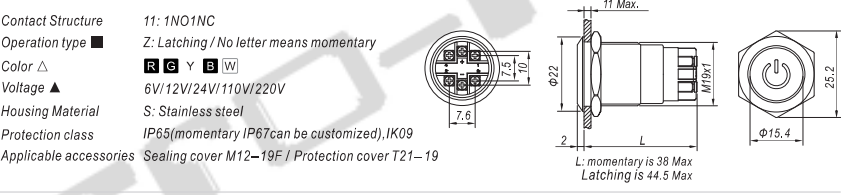
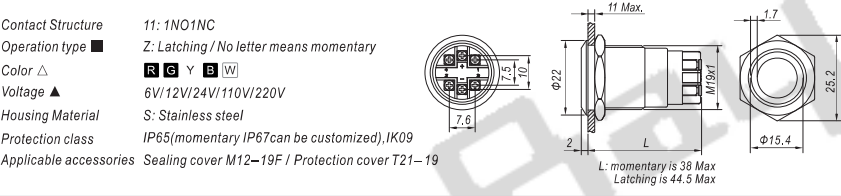
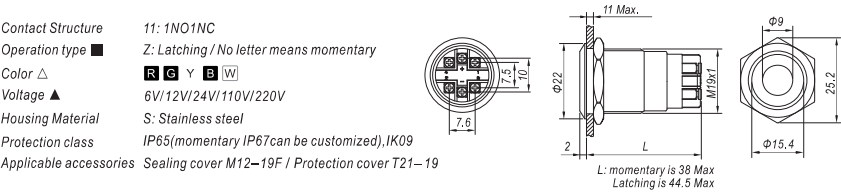
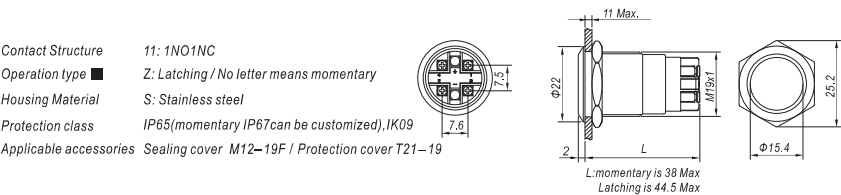


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MR-LAS1GQ-11DT-L MR-LAS1GQ-11E MR-LAS1GQ-11E-L MR-LAS1GQ-11ET MR-LAS1GQ-11ET-L
MR-LAS1GQH-11E MR-LAS1GQH-11E-L

19 MM HIGH-CURRENT METAL PUSH BUTTON
MR-LAS1GQ SERIES

Micro-Ray

PART NO	MR-LAS1GQ	SHEET	2 OF 3	REV	A
DWG NO	MR-LAS1GQ	SIZE	A4	DATE	2026-09-22
UNITS: mm	SCALE: NTS - DO NOT SCALE				



PART NUMBERS ON THIS DRAWING
MR-LAS1GQ-11 MR-LAS1GQ-11-L MR-LAS1GQ-11D MR-LAS1GQ-11D-L MR-LAS1GQ-11DT
MR-LAS1GQ-11DT-L MR-LAS1GQ-11E MR-LAS1GQ-11E-L MR-LAS1GQ-11ET MR-LAS1GQ-11ET-L
MR-LAS1GQH-11E MR-LAS1GQH-11E-L

19 MM HIGH-CURRENT METAL PUSH BUTTON
MR-LAS1GQ SERIES

Micro-Ray

PART NO	MR-LAS1GQ	SHEET	3 OF 3	REV	A
DWG NO	MR-LAS1GQ	SIZE	A4	DATE	2026-09-22
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