

MR-LAS1-BGQ seires

- ☆ The installation hole diameter is $\Phi 19\text{mm}$;
- ☆ The switch is "quick action | single pole double throw | double pole double throw | three pole double throw";
- ☆ The series covers buttons, emergency stop buttons, knobs, and key buttons, and each product can be configured with 1~3 switching elements to meet various needs of users;
- ☆ The waterproof grade of the product is IP40.

LAS1-BGQ series model description

MR-LAS1-BGQ-□◆◇/◆●/△/▲/◎

Symbol	Symbol name	Specify
□	Contact Structure	11: 1NO1NC / 22: 2NO2NC / 33: 3NO3NC / No digital means indicator
■	Operation type	Z: Latching / X: Selector button / Y: Key button / TS: Emergency stop button / No letter means momentary
◇	Illuminated Type	D: Dot illuminated Ring illuminated No letters mean no lights
◆	Selector and key button operating positions	2: Second position / 3: Third position
●	Selector and key button action types	1: Retention / 2: Semi self resetting (32 is right self resetting by default, and left self resetting can be customized) 3: Fully Self-Double
△	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

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

Performance Characteristic

Operating Temp	-25℃~+55℃ (Non freezing)
	Keep the switch air circulating well
Operating Humidity	45~85% RH(Non condensing)
Contact Resistance	$\leq 50\text{m}\Omega$
Insulation Resistance	$\geq 100\text{M}\Omega (500\text{VDC})$
Max. withstanding voltage	1500VAC, 50Hz, 1min
Vibration resistance	50Hz, The amplitude is about 1.2mm
Solder heat resistance	320℃ 3s
Switch rating	2A/220VAC
Mechanical Life	1,000,000 cycles
Electrical Life	50,000 cycles
Base material	PA/PC
Nut torque	About 0.8Nm
Torque	About 2.5N(1NO1NC)
	About 3.5N(2NO2NC)
	About 4.5N(3NO3NC)
Operation Travel	About 3.1mm
Protection class	IP40, IK08

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: $\pm 10\%$ AC: $\pm 20\%$	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 Ui			250V			
Thermal Current Ith			5A			
Rated voltage			12V	24V	110V	220V
Rated Operation Current	AC 50/60Hz	Resistive load	—	—	5A	3A
		Inductive load	—		3A	2A
	DC	Resistive load	5A	5A	1A	0.5A
		Inductive load	2A	2A	0.2A	0.1A
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

LED pin	1, 2, 3 and 4 are a group of switches; 1, 2 is normally closed contact NC, 3 and 4 are normally open contacts NO. There is no difference between positive and negative poles for the lamp beads in the conventional configuration. The lamp bead is relatively independent of the switch, and the lamp bead status can be controlled by the switch or peripheral circuit.
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PART NUMBERS ON THIS DRAWING

MR-LAS1-BGQ MR-LAS1-BGQ-D MR-LAS1-BGQ-E MR-LAS1-BGQ-TS MR-LAS1-BGQ-X MR-LAS1-BGQ-Y

19 MM EMERGENCY STOP BUTTON

MR-LAS1-BGQ SERIES

Micro-Ray

PART NO	MR-LAS1-BGQ		SHEET 1 OF 2		REV A
DWG NO	MR-LAS1-BGQ				
UNITS: mm		SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22	

Contact Structure

11: 1NO1NC / 22: 2NO2NC /
33: 3NO3NC

Operation type

Z: Latching / No letter means momentary

Housing Material

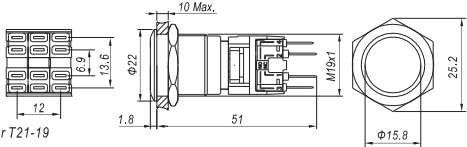
S: Stainless steel

Protection class

IP40,IK08

Applicable accessories

Sealing cover M12-19F / Protection cover T21-19



Contact Structure

11: 1NO1NC / 22: 2NO2NC /
33: 3NO3NC

Operation type

Z: Latching / No letter means momentary

Color

R G Y B W

Voltage

6V/12V/24V/110V/220V

Housing Material

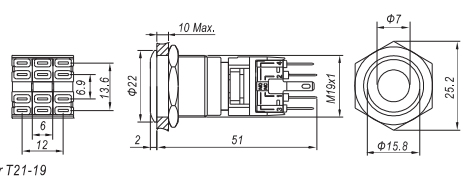
S: Stainless steel

Protection class

IP40,IK08

Applicable accessories

Sealing cover M12-19F / Protection cover T21-19



Contact Structure

11: 1NO1NC / 22: 2NO2NC /
33: 3NO3NC

Operation type

Z: Latching / No letter means momentary

Color

R G Y B W

Voltage

6V/12V/24V/110V/220V

Housing Material

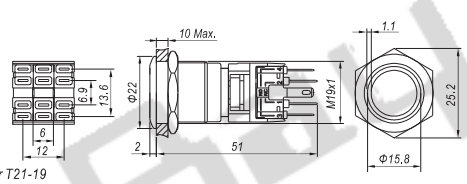
S: Stainless steel

Protection class

IP40,IK08

Applicable accessories

Sealing cover M12-19F / Protection cover T21-19



Contact Structure

11: 1NO1NC / 22: 2NO2NC /
33: 3NO3NC

Operating position



Housing Material

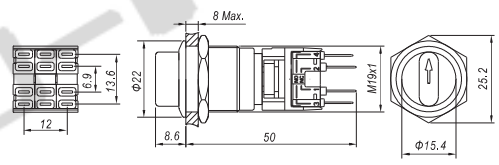
Stainless steel

Protection class

IP40,IK02

Applicable accessories

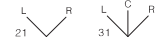
Protection cover T34-19



Contact Structure

11: 1NO1NC / 22: 2NO2NC /
33: 3NO3NC

Operating position



Housing Material

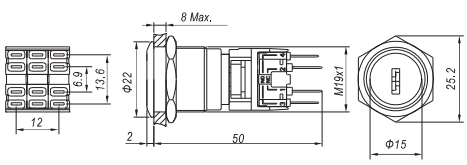
Stainless steel

Protection class

IP40,IK02

Applicable accessories

Protection cover T34-19



Contact Structure

11: 1NO1NC / 22: 2NO2NC /
33: 3NO3NC

Operation type

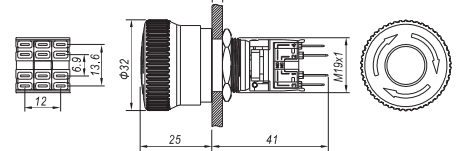
Push lock rotary release type

Housing Material

Aluminum alloy

Protection class

IP40,IK02



PART NUMBERS ON THIS DRAWING
MR-LAS1-BGQ MR-LAS1-BGQ-D MR-LAS1-BGQ-E MR-LAS1-BGQ-TS MR-LAS1-BGQ-X MR-LAS1-BGQ-Y

19 MM EMERGENCY STOP BUTTON			
MR-LAS1-BGQ SERIES			
PART NO	MR-LAS1-BGQ		
DWG NO	MR-LAS1-BGQ	SHEET 2 OF 2	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22