

Characteristic

MR-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 Φ12mm(LAS2), Φ10mm(LAS3), Φ8mm(LAS4).

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

Structure Use fast-break structure, each switch element contains 1NO1NC.

MR-LAS2 could use 2 switch elements at most; MR-LAS3MR-LAS4 could use 1 switch element at most.

Protective Degree IP40

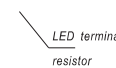
Switch Ratings

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

Lamp Ratings

Lamp Type	AC LED			External Resistor Diagram
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.				

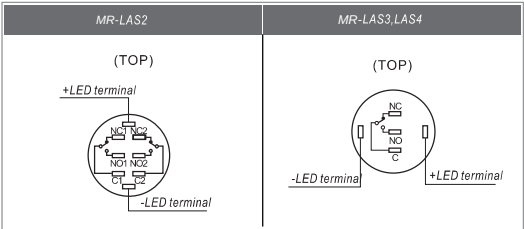


+LED terminal
-LED terminal
resistor

Specification

Operating Temperature		-25℃~+55℃(no freezing)
Operating Humidity		Keep good ventilation round the switch.
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℃ 3s
Mechanical Life		Momentary:200,000 times; Latching:100,000 times
Electrical Life		≥50,000 cycles

Circuit



Installation Dimension

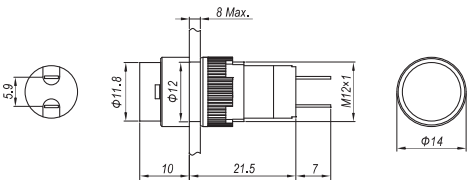
	Type	MR-LAS2			MR-LAS3			MR-LAS4		
		A	B	C	A	B	C	A	B	C
	Round	12mm	14mm	≥14mm	10mm	≥12mm	≥12mm	8mm	10mm	10mm
	Sqaure	12mm	14mm	14mm	10mm	12mm	12mm	8mm	10mm	10mm
	Rectangular	12mm	≥14mm	18mm	10mm	12mm	≥16mm	8mm	10mm	14mm

PART NUMBERS ON THIS DRAWING
MR-LAS2F MR-LAS2F-D MR-LAS2J MR-LAS2J-D MR-LAS2Y MR-LAS2Y-D

12 MM PUSH BUTTON MR-LAS2 SERIES			Micro-Ray	
PART NO	MR-LAS2			
DWG NO	MR-LAS2		SHEET 1 OF 2	REV A
UNITS: mm		SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

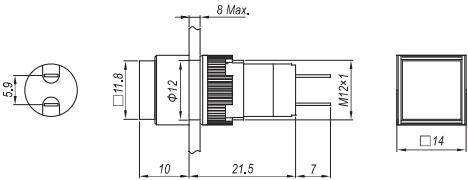
Signal Light
MR-LAS2Y-D/△/▲

LED Color△ **R G Y B W**
LED Voltage▲ 6V / 12V / 24V / 110V / 220V
Protection Degree IP40



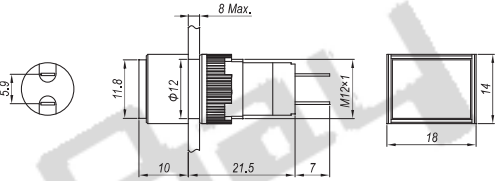
Signal Light
MR-LAS2F-D/△/▲

LED Color△ **R G Y B W**
LED Voltage▲ 6V / 12V / 24V / 110V / 220V
Protection Degree IP40



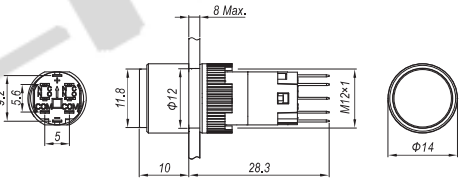
Signal Light
MR-LAS2J-D/△/▲

LED Color△ **R G Y B W**
LED Voltage▲ 6V / 12V / 24V / 110V / 220V
Protection Degree IP40



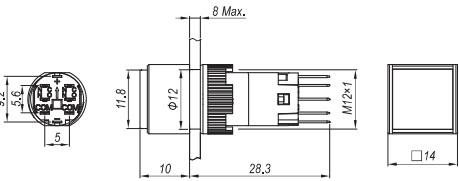
Pushbutton(can be illuminated)
MR-LAS2Y-□ ■/△/▲

Contact□ 11: 1NO1NC / 22: 2NO2NC
Operation Type No letter means momentary / Z: Latching
Color△ **R G Y B W N**
LED Voltage▲ 6V / 12V / 24V / 220V
Protection Degree IP40
Accessory Solder Terminal S20 / PCB Terminal S20-A / Sealing Cover S09-S2Y



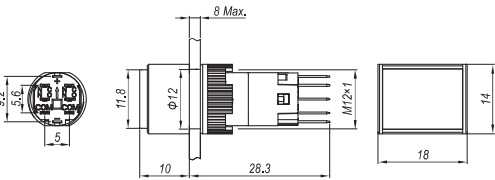
Pushbutton(can be illuminated)
LAS2F-□ ■/△/▲

Contact□ 11: 1NO1NC / 22: 2NO2NC
Operation Type No letter means momentary / Z: Latching
Color△ **R G Y B W N**
LED Voltage▲ 6V / 12V / 24V / 220V
Protection Degree IP40
Accessory Solder Terminal S20 / PCB Terminal S20-A / Sealing Cover S09-S2F



Pushbutton(can be illuminated)
LAS2J-□ ■/△/▲

Contact□ 11: 1NO1NC / 22: 2NO2NC
Operation Type No letter means momentary / Z: Latching
Color△ **R G Y B W N**
LED Voltage▲ 6V / 12V / 24V / 220V
Protection Degree IP40
Accessory Solder Terminal S20 / PCB Terminal S20-A / Sealing Cover S09-S2J



PART NUMBERS ON THIS DRAWING
MR-LAS2F MR-LAS2F-D MR-LAS2J MR-LAS2J-D MR-LAS2Y MR-LAS2Y-D

12 MM PUSH BUTTON		Micro-Ray	
MR-LAS2 SERIES			
PART NO	MR-LAS2		
DWG NO	MR-LAS2	SHEET 2 OF 2	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22