

Characteristic

MR-LAS1-A series P(W) type 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 pushbutton and signal light use veneering installation, the front frame is only 2mm higher over panel, is fashionable and goodlooking.

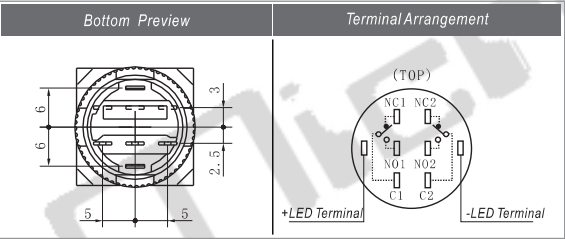
Specs Including pushbutton, signal light, emergency-stop switch, key-lock switch, selector switch and mushroom switch; mounting hole diameter is Φ16mm, Φ22mm, 21×21mm(square) and 21×27mm(rectangular).

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

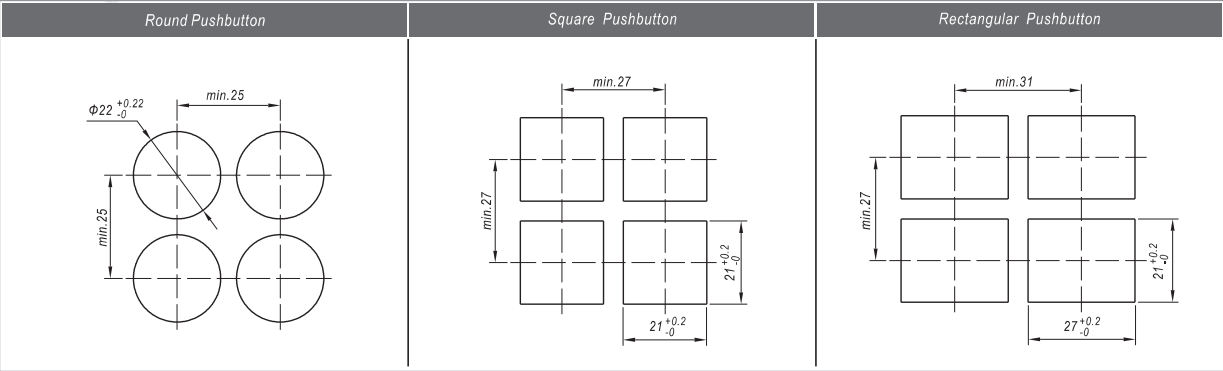
Bottom Preview and Terminal Arrangement



Installation Diagram

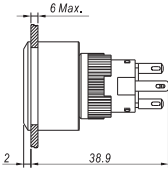
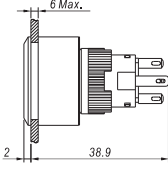
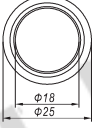
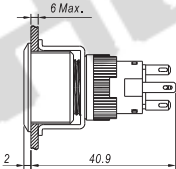
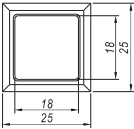
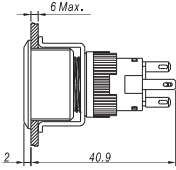
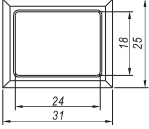
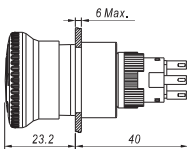
Ultrathin, could be customized for symbol, illuminated pushbutton
Thickness over the panel is only 2mm

Installation Dimension



PART NUMBERS ON THIS DRAWING
MR-LAS1-A22Y-TSB MR-LAS1-A22Y-TSB-L MR-LAS1-APF MR-LAS1-APF-XB MR-LAS1-APJ
MR-LAS1-APJ-XB MR-LAS1-APY MR-LAS1-APY-TS MR-LAS1-APY-XB MR-LAS1-AWF MR-LAS1-AWF-XB
MR-LAS1-AWF-Y MR-LAS1-AWJ MR-LAS1-AWJ-XB MR-LAS1-AWJ-Y MR-LAS1-AWY MR-LAS1-AWY-T
MR-LAS1-AWY-XB MR-LAS1-AWY-Y

22 MM PUSH BUTTON, FRAMED AND E-STOP TYPES		MR-LAS1-A-FRAMES SERIES Micro-Ray	
MR-LAS1-A-FRAMES			
PART NO	MR-LAS1-A-FRAMES		
DWG NO	MR-LAS1-A-FRAMES	SHEET 1 OF 5	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

Product Outline	Specification	Dimension
Pushbutton(with power symbol) MR-LAS1-AWY-□ ■ /△/▲/※	Contact□11: 1NO1NC / 22: 2NO2NC Operation TypeNo letter means momentary / Z: Latching Color△R G Y B W N LED Voltage▲6V / 12V / 24V / 110V / 220V Protection Degree※No letter means IP40 / P:IP65 AccessoryScutcheon Frame T04 / Switch Guard T21-22 / Solder Terminal S04 / PCB Terminal S05	 
Pushbutton(can be illuminated) MR-LAS1-AWY-□ ■ /△/▲/※	Contact□11: 1NO1NC / 22: 2NO2NC Operation TypeNo letter means momentary / Z: Latching Color△R G Y B W N LED Voltage▲6V / 12V / 24V / 110V / 220V Protection Degree※No letter means IP40 / P:IP65 AccessoryScutcheon Frame T04 / Switch Guard T21-22 / Solder Terminal S04 / PCB Terminal S05	 
Pushbutton(can be illuminated) LAS1-AWF-□ ■ /△/▲/※	Contact□11: 1NO1NC / 22: 2NO2NC Operation TypeNo letter means momentary / Z: Latching Color△R G Y B W N LED Voltage▲6V / 12V / 24V / 110V / 220V Protection Degree※No letter means IP40 / P:IP65 AccessorySwitch Guard T22 / Solder Terminal S04 / PCB Terminal S05	 
Pushbutton(can be illuminated) MR-LAS1-AWJ-□ ■ /△/▲/※	Contact□11: 1NO1NC / 22: 2NO2NC Operation TypeNo letter means momentary / Z: Latching Color△R G Y B W N LED Voltage▲6V / 12V / 24V / 110V / 220V Protection Degree※No letter means IP40 / P:IP65 AccessorySwitch Guard T23 / Solder Terminal S04 / PCB Terminal S05	 
Emergency Stop Switch MR-LAS1-APY-□ TS/※	Contact□11: 1NO1NC / 22: 2NO2NC Protection Degree※No letter means IP40 / P:IP65 AccessoryEmergency Stop Switch Guard T26	 

PART NUMBERS ON THIS DRAWING
MR-LAS1-A22Y-TSB MR-LAS1-A22Y-TSB-L MR-LAS1-APF MR-LAS1-APF-XB MR-LAS1-APJ
MR-LAS1-APJ-XB MR-LAS1-APY MR-LAS1-APY-TS MR-LAS1-APY-XB MR-LAS1-AWF MR-LAS1-AWF-XB
MR-LAS1-AWF-Y MR-LAS1-AWJ MR-LAS1-AWJ-XB MR-LAS1-AWJ-Y MR-LAS1-AWY MR-LAS1-AWY-T
MR-LAS1-AWY-XB MR-LAS1-AWY-Y

22 MM PUSH BUTTON, FRAMED AND E-STOP TYPES MR-LAS1-A-FRAMES SERIES			
PART NO	MR-LAS1-A-FRAMES		
DWG NO	MR-LAS1-A-FRAMES	SHEET 2 OF 5	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

Product Outline	Specification	Dimension
Selector Switch(can be illuminated) LAS1-AWY-□ XB/◇/△/▲/※	Contact: 11: 1NO1NC / 22: 2NO2NC Operation Type◇ Color△ R G Y B W N LED Voltage▲ 6V / 12V / 24V / 110V / 220V Protection Degree※ No letter means IP40 / P:IP65(only for maintain type) Accessory Scoutcheon Frame T04 / Solder Terminal S04 / PCB Terminal S05	
Selector Switch(can be illuminated) LAS1-AWF-□ XB/◇/△/▲/※	Contact: 11: 1NO1NC / 22: 2NO2NC Operation Type◇ Color△ R G Y B W N LED Voltage▲ 6V / 12V / 24V / 110V / 220V Protection Degree※ No letter means IP40 / P:IP65(only for maintain type) Accessory Solder Terminal S04 / PCB Terminal S05	
Selector Switch(can be illuminated) LAS1-AWJ-□ XB/◇/△/▲/※	Contact: 11: 1NO1NC / 22: 2NO2NC Operation Type◇ Color△ R G Y B W N LED Voltage▲ 6V / 12V / 24V / 110V / 220V Protection Degree※ No letter means IP40 / P:IP65(only for maintain type) Accessory Solder Terminal S04 / PCB Terminal S05	

Contact State of Selector and Key-lock Switch	Switch Type	90° 2 Position		45° 3 Position	
		1NO1NC	2NO2NC	2NO2NC	
	Operation Position				

PART NUMBERS ON THIS DRAWING
MR-LAS1-A22Y-TSB MR-LAS1-A22Y-TSB-L MR-LAS1-APF MR-LAS1-APF-XB MR-LAS1-APJ
MR-LAS1-APJ-XB MR-LAS1-APY MR-LAS1-APY-TS MR-LAS1-APY-XB MR-LAS1-AWF MR-LAS1-AWF-XB
MR-LAS1-AWF-Y MR-LAS1-AWJ MR-LAS1-AWJ-XB MR-LAS1-AWJ-Y MR-LAS1-AWY MR-LAS1-AWY-T
MR-LAS1-AWY-XB MR-LAS1-AWY-Y

22 MM PUSH BUTTON, FRAMED AND E-STOP TYPES
MR-LAS1-A-FRAMES SERIES

PART NO MR-LAS1-A-FRAMES

DWG NO MR-LAS1-A-FRAMES

UNITS: mm SCALE: NTS - DO NOT SCALE

SHEET 3 OF 5

REV A

SIZE A4

DATE 2026-09-22

Product Outline	Specification	Dimension
Key-lock Switch(can be illuminated) MR-LAS1-AWY-□ Y/◇◆●/※	Contact□ 11: 1NO1NC / 22: 2NO2NC Operation Type◇◆ L R L R L C R L C R 21 23 31 33 Unmovable Position of Key● Refer to Notes Color△ R G Y B W LED Voltage▲ 6V / 12V / 24V / 110V / 220V Protection Degree※ No letter means IP40 / P:IP65(only for maintain type) Accessory Scutcheon Frame T04 / Solder Terminal S04 / PCB Terminal S05	
Key-lock Switch(can be illuminated) MR-LAS1-AWF-□ Y/◇◆●/※	Contact□ 11: 1NO1NC / 22: 2NO2NC Operation Type◇◆ L R L R L C R L C R 21 23 31 33 Unmovable Position of Key● Refer to Notes Color△ R G Y B W LED Voltage▲ 6V / 12V / 24V / 110V / 220V Protection Degree※ No letter means IP40 / P:IP65(only for maintain type) Accessory Solder Terminal S04 / PCB Terminal S05	
Key-lock Switch(can be illuminated) LAS1-AWJ-□ Y/◇◆●/※	Contact□ 11: 1NO1NC / 22: 2NO2NC Operation Type◇◆ L R L R L C R L C R 21 23 31 33 Unmovable Position of Key● Refer to Notes Color△ R G Y B W LED Voltage▲ 6V / 12V / 24V / 110V / 220V Protection Degree※ No letter means IP40 / P:IP65(only for maintain type) Accessory Solder Terminal S04 / PCB Terminal S05	

Notes

- : Unmovable Position of Key
No letter means type A
- A: B: C: D: E: G: H:
- Provide 2 keys, need rotate into position when using.

Contact State of Selector and Key-lock Switch	Switch Type	90° 2 Position		45° 3 Position	
	Operation Position	1NO1NC	2NO2NC	2NO2NC	2NO2NC

PART NUMBERS ON THIS DRAWING

MR-LAS1-A22Y-TSB MR-LAS1-A22Y-TSB-L MR-LAS1-APF MR-LAS1-APF-XB MR-LAS1-APJ
MR-LAS1-APJ-XB MR-LAS1-APY MR-LAS1-APY-TS MR-LAS1-APY-XB MR-LAS1-AWF MR-LAS1-AWF-XB
MR-LAS1-AWF-Y MR-LAS1-AWJ MR-LAS1-AWJ-XB MR-LAS1-AWJ-Y MR-LAS1-AWY MR-LAS1-AWY-T
MR-LAS1-AWY-XB MR-LAS1-AWY-Y

22 MM PUSH BUTTON, FRAMED AND E-STOP TYPES

MR-LAS1-A-FRAMES SERIES

PART NO MR-LAS1-A-FRAMES

DWG NO MR-LAS1-A-FRAMES

UNITS: mm SCALE: NTS - DO NOT SCALE

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

Part Number	MR-LAS1-APY-□ ■/△/▲/※	MR-LAS1-APF-□ ■/△/▲/※	LAS1-APJ-□ ■/△/▲/※
Shape			
Part Number	LAS1-APY-□ XB/◇◆/△/▲/※	LAS1-APF-□ XB/◇◆/△/▲/※	LAS1-APJ-□ XB/◇◆/△/▲/※
Shape			
Part Number	LAS1-AWY-□ Y/◇◆●/※	MR-LAS1-AWF-□ Y/◇◆●/※	MR-LAS1-AWJ-□ Y/◇◆●/※
Shape			

MR-LAS1-A22 Short-body Emergency Stop Switch

Shape	Contact	Part Number	Dimension and Explanation
Round (non-illuminated) (illuminated)	1NC	MR-LAS1-A22Y-01TSB MR-LAS1-A22Y-01TSB/R/▲	⊙ Protection Degree: IP65 ⊙ Can be illuminated, LED Color: red ⊙ LED Voltage(▲): 6V/12V/24V/110V/220V
	2NC	MR-LAS1-A22Y-02TSB MR-LAS1-A22Y-02TSB/R/▲	
	1NO1NC	MR-LAS1-A22Y-11TSB MR-LAS1-A22Y-11TSB/R/▲	
Round (non-illuminated) (illuminated)	1NC	MR-LAS1-A22Y-01TSB/L MR-LAS1-A22Y-01TSB/L/R/▲	⊙ Protection Degree: IP65 ⊙ Can be illuminated, LED Color: red ⊙ LED Voltage(▲): 6V/12V/24V/110V/220V
	2NC	MR-LAS1-A22Y-02TSB/L MR-LAS1-A22Y-02TSB/L/R/▲	
	1NO1NC	MR-LAS1-A22Y-11TSB/L MR-LAS1-A22Y-11TSB/L/R/▲	

PART NUMBERS ON THIS DRAWING
MR-LAS1-A22Y-TSB MR-LAS1-A22Y-TSB-L MR-LAS1-APF MR-LAS1-APF-XB MR-LAS1-APJ
MR-LAS1-APJ-XB MR-LAS1-APY MR-LAS1-APY-TS MR-LAS1-APY-XB MR-LAS1-AWF MR-LAS1-AWF-XB
MR-LAS1-AWF-Y MR-LAS1-AWJ MR-LAS1-AWJ-XB MR-LAS1-AWJ-Y MR-LAS1-AWY MR-LAS1-AWY-T
MR-LAS1-AWY-XB MR-LAS1-AWY-Y

22 MM PUSH BUTTON, FRAMED AND E-STOP TYPES MR-LAS1-A-FRAMES SERIES		Micro-Ray	
PART NO	MR-LAS1-A-FRAMES		
DWG NO	MR-LAS1-A-FRAMES	SHEET 5 OF 5	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22