

Product Overview

MR-26 series products use the center seat sliding toggle design, fast and reliable installation. Modular combination structure, easy maintenance and flexible combination; head protection level up to IP65. Light-emitting module for integrated structure, more compact size.

Specs Products include buttons, knobs, key knobs, push-pull spin-release emergency stop knobs, mushroom knobs. $\Phi 22$ mounting aperture, widely used.

Performance The switch is made of high quality flame retardant material, with good insulation performance, low contact resistance and vibration resistance. Product safety lock conforms to IEC60947-5-5,6-2 standard. Product structure conforms to IEC60947-5-5,6,3,2 standard; emergency stop products conform to IEC60947-5-1, Annex K, IEC60947-5-5,5-2 standard.

Structure The switching element adopts "double-breakpoint slow-action, self-cleaning" structure, and the building block combination method. 1~8 switch elements can be combined in any way to meet the requirements of various specific control circuits. The switch adopts independent "piece" design, small volume, short length, more flexible combination; concealed The wiring terminal is more safe and reliable.

Protective Degree Protection class IP40, can customized to IP65

Switch Ratings

Rated Insulation Voltage(Ui)			500V					
Terminal Current (Ith)			10A Temperature rise does not exceed the current allowed by the maximum rating					
Rated Voltage			24V	48V	110V	220V	380V	500V
Rated Current	AC 50/60Hz	Resistive load	10A	—	10A	6A	—	—
		Inductive load	10A	—	6A	3A	1.8A	1.4A
	DC	Resistive load	8A	4A	2.2A	1.1A	—	—
		Inductive load	4A	2A	1.1A	0.6A	—	—
Contact material			Silver alloy					

Minimum adaptable load: 3VAC/DC 5mA (available range depends on the use environment and load type)

Installation Dimensions and circuit diagram

Installation Dimensions		Circuit Diagram	
		The switch code is 11. 1,2 are normal closed; 3,4 are normal opened;	
Type	A	B	C
Normal, Key-lock	≥ 50	≥ 40	$\Phi 22$
Selector	≥ 50	≥ 40	$\Phi 25$
Mushroom	≥ 50	≥ 50	$\Phi 30$
Big Mushroom	≥ 70	≥ 70	

1、Unit: mm
2、A and B both refer to the minimum size

Performance Characteristics

Operating temperature	-25 ~ + 55℃(no freezing) keep the air flowing around illuminated push button
Operation Humidity	45~85%RH (no condensation)
Use altitude	Installation location should not exceed 2000m above sea level
Contact Resistor	$\leq 50m\Omega$
Insulation Resistor	$\geq 100M\Omega(500VDC)$
Maximum withstand voltage	3000V, AC 50Hz, 1min
Vibration Resistance	50Hz, Amplitude 1.0mm
Mechanical Life	Momentary knob ≥ 1 million times
	key knob, emergency stop button $\geq 200,000$ times
	Latching knob, selection knob $\geq 500,000$ times
Electrical Life	$\geq 50,000$ times
Connection	Screw terminal, connecting ability: Min : 1×0.5mm
	Max: 2×1.5mm ² (with connecting link)
	Max: 1×2 .5mm ² (without connecting link)
Operating force	8N(1NO1NC), 14N(2NO2NC)
Operation Travel	Approx. 5.5 mm (button)
Pollution Degree	3 degrees

Lamp Ratings

LED Life	Rated Current	Voltage fluctuation	Lamp Circuit Diagram
≥ 40000 hours	$\leq 24V$ approx. 15mA $\geq 110V$ approx. 2mA	DC: $\pm 0\%$ AC: 20%	 Use inner protection resistors and no positive or negative distinction.

PART NUMBERS ON THIS DRAWING

MR-26 MR-26-E MR-26-M MR-26-MB MR-26-P MR-26-TSA MR-26-TSB MR-26-TSC MR-26-X MR-26-Y

22 MM KEY-LOCK SWITCH

MR-26 SERIES

Micro-Ray

PART NO

MR-26

DWG NO

MR-26

SHEET

1 OF 4

REV

A

UNITS: mm

SCALE: NTS - DO NOT SCALE

SIZE

A4

DATE

2026-09-22

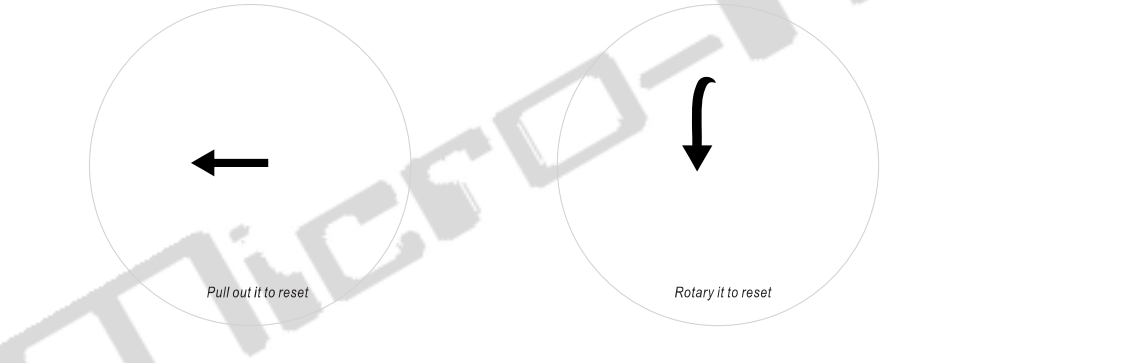
ONPOW26 Series model description

MR-26-□■◆◇/▲/※

Symbol	Symbol name	Specify
□	Contact structure	11(1NO1NC) / 10(1NO) / 01(1NC) / 20(2NO) / 02(2NC)
		22(2NO2NC) / 40(4NO) / 04(4NC) / 31(3NO1NC) / 13(1NO3NC)
		30(3NO) / 03(3NC) / 21(2NO1NC) / 12(1NO2NC)
■	Operation type	No letter means ordinary self-repeating button / Z: self-locking button / P: metal flat button / E: ring with light / X: knob / Y: key / M: mushroom button / MB: Mushroom button type B / TSA: Emergency stop button type A / TSB: Emergency stop button type B / TSC: Emergency stop button type C Selector button and key button
◇	Selector Knob and Key Knob Operation position	2: Two position / 3: Three position
◆	Selector Knob and Key Knob operation Type	1 maintain / 2 half return / 3 self return
△	Lamp color	R: Red / G: Green / Y: Yellow / B: Blue / W: White / N: Black
▲	Lamp voltage	6V / 12V / 24V / 110V / 220V/ Other voltage can be customized / 220VC(can be customized):AC220V capacitor step-down
※	IP Degree	FP: IP67 / P: IP65/ No letter means IP40

There are two ways to release the emergency stop button

Press the actuator to lock, pull out or rotate it to reset.
Pull out or rotate the actuator can reset operation, so it is more safe and convenient.



Complies with international standards Security lock structure

Even if it is inadvertently touched, the button contact of the switch will not be disconnected, until the structure of the operation unit is locked.
This feature complies with IEC60947-5-5, 6-2 standard, and can prevent emergency stop.

Direct open circuit action function

Even if the contact is fused, the circuit can be cut off by pressing the button hard to open the contact.
Comply with IEC60947-5-1, Enclosure K, IEC60947-5-5, 5-2)

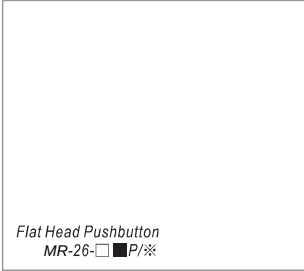
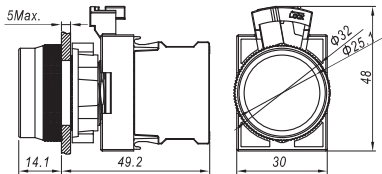
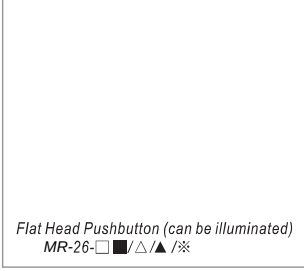
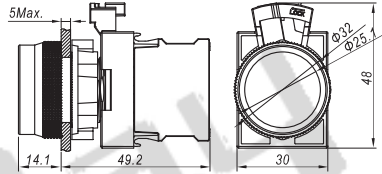
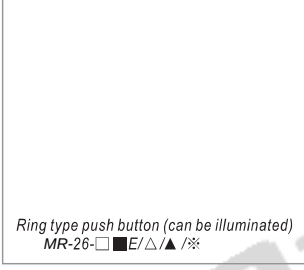
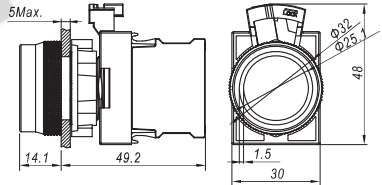
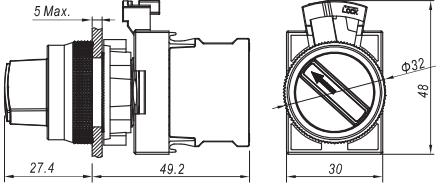
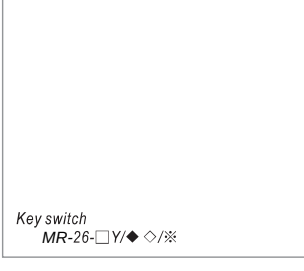
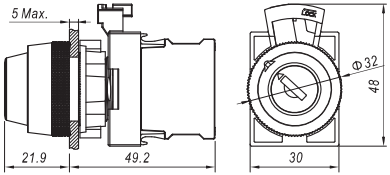
Safety button design

The operation head has a structure to prevent foreign matters from being sandwiched between the button and the panel.
The operation head structure is designed to prevent the button from being forcibly removed at the front of the panel.
Comply with IEC60947-5-5, 6.3.2)

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MR-26 MR-26-E MR-26-M MR-26-MB MR-26-P MR-26-TSA MR-26-TSB MR-26-TSC MR-26-X MR-26-Y

22 MM KEY-LOCK SWITCH MR-26 SERIES		Micro-Ray	
PART NO	MR-26		
DWG NO	MR-26	SHEET 2 OF 4	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22

Product Picture	Description	Dimension
 Flat Head Pushbutton MR-26-□■P/※	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description Operation type ■ Z: Latching / No letter means momentary IP degree ※ P: IP65 / No letter means IP40	
 Flat Head Pushbutton (can be illuminated) MR-26-□■/△/▲/※	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description Operation type ■ Z: Latching / No letter means momentary LED color △ R G Y B W N LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40	
 Ring type push button (can be illuminated) MR-26-□■E/△/▲/※	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description Operation type ■ Z: Latching / No letter means momentary LED color △ R G Y B W N LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40	
 Selector switch (can be illuminated) MR-26-□X/◆/◇/△/▲/※	Contact □ 11: 1NO1NC / 20: 2NO / 02: 2NC Other switch combinations refer to the model description Operation ◇ ◆ LED color △ R G Y B W N LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40	
 Key switch MR-26-□Y/◆/◇/※	Contact □ 11: 1NO1NC / 20: 2NO / 02: 2NC Other switch combinations refer to the model description Operation ◇ ◆ IP degree ※ P: IP65 / No letter means IP40	

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22 MM KEY-LOCK SWITCH

MR-26 SERIES

Micro-Ray

PART NO

MR-26

DWG NO

MR-26

SHEET

3 OF 4

REV

A

UNITS: mm

SCALE: NTS - DO NOT SCALE

SIZE

A4

DATE

2026-09-22

Product Picture	Description	Dimension
Mushroom pushbutton (can be illuminated) MR-26-□■M/△/▲/※	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description Operation type ■ Z: Latching / No letter means momentary LED color △ R G LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40	
B type Mushroom pushbutton (can be illuminated) MR-26-□■MB/△/▲/※	Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description Operation type ■ Z: Latching / No letter means momentary LED color △ R G LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40	
Emergency stop switch (can be illuminated) MR-26-□TSA/▲/※	Operation Push-lock, pull/turn-reset Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40 Accessory Warning ring T14-2260 / Protective ring T26	
B type Emergency stop switch (can be illuminated) MR-26-□TSB/▲/※	Operation Push-lock, pull/turn-reset Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40 Accessory Warning ring T14-2260 / Protective ring T26	
C type Emergency stop switch (can be illuminated) MRW26-□TSC/▲/※	Operation Push-lock, pull/turn-reset Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description LED voltage ▲ 6V / 12V / 24V / 110V / 220V IP degree ※ P: IP65 / No letter means IP40 Accessory Warning ring T14-2260	

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