

Product Overview

The ONPOW26 series products use two types of center seat designs: Quick connect module and standard installation module, which can ensure Enable users to complete efficient and reliable installation tasks in different usage scenarios; The switch combination method adopts Using a modular structure for easy maintenance and flexible combination; New quick connect switch block, efficient and secure wiringSolid; The illuminated module is an integrated structure, making it more compact as a whole.

Specs Products include buttons, Selector switch, key switch, push-pull spin-release emergency stop button, mushroom button. Φ22、Φ30 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
Rated impulse withstand voltage(Uimp)			2.5kV
Rated voltage(Ue)			220V
Rated Current	AC 50/60Hz	AC-15 Inductive load	5A
	DC	DC-13 Inductive load	0.6A
Contact material			Silver alloy

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	≤50mΩ
Insulation Resistor	≥100MΩ(500VDC)
Maximum withstand voltage	3000V, AC 50Hz, 1min
Vibration Resistance	50Hz, Amplitude 1.0mm
Mechanical Life	Momentary button ≥ 1 million times
	key knob, emergency stop button ≥ 200,000 times
	Latching button, selection knob ≥ 500,000 times
Electrical Life	≥ 50,000 times
Connection	Screw terminal, connecting ability: Min : 1×0.5mm
	Max: 2×1.5mm (with connecting link) Max: 1×2.5mm (without connecting link)
Operating force	6.5N(1NO1NC), 11.5N(2NO2NC)
Operation Travel	Approx. 5.5 mm (button)
Pollution Degree	3 degrees
Tightening torque	About 0.6N · m (Nut); About 0.8N · m(Screw)

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	Remark
Normal, Key-lock	≥50	≥35		1、Unit: mm 2、Please consult the technical department for installation holes with a diameter of 30
Selector	≥50	≥40	Φ22	
Mushroom	≥50	≥45	Φ25	
Big Mushroom	≥70	≥70		

Lamp Ratings

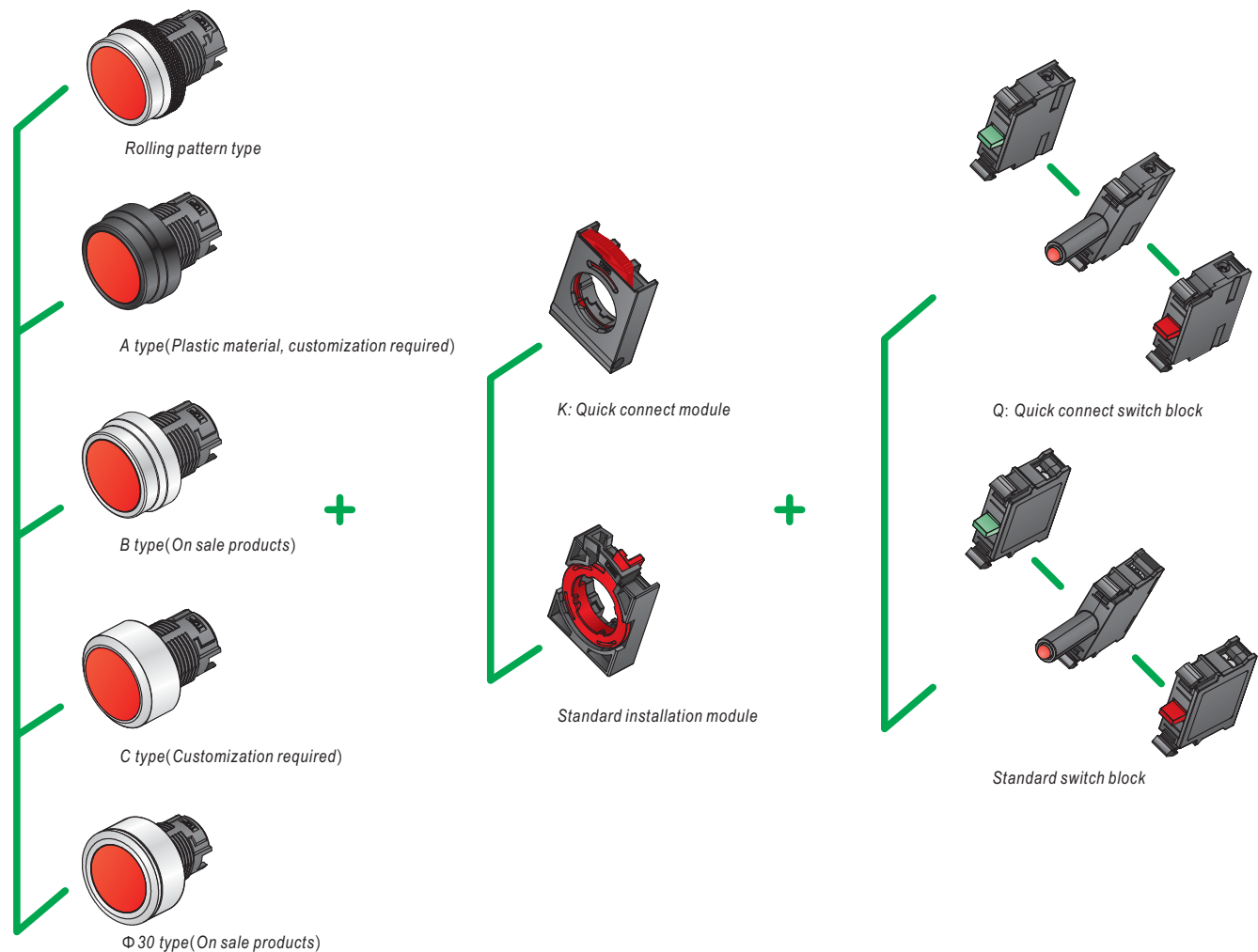
LED Life	Rated Current	Voltage fluctuation	Lamp Circuit Diagram
≥40000 hours	≤24V approx. 15mA ≥110V approx. 2mA	DC: 10% AC: 20%	 Use inner protection resistors and no positive or negative distinction.

ONPOW26 Series model description

ONPOW26◇ ☆ ★ - ○ □ ■ ◆ ● / △ / ▲ ※

Symbol	Symbol name	Specify
◇	Installation aperture	30:Φ30mm / No letter means Φ22mm
☆	Head type	A: A type / B: B type / C: Ctype / No letter means rolling pattern type
★	Connect module	K: Quick connect module / No letter means standard installation module
○	Switch block type	Q: Quick connect switch block / No letter means standard switch block
□	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 momentary button / Z: self-locking button / P: metal flat button / E: ring with light / X: Selection switch / Y: key switch / 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	P: IP65/ No letter means IP40

ONPOW26 series structure diagram



ONPOW26 Series Disassembly and Assembly Diagram

Standard installation module

Install firmly to prevent misoperation



① Push upwards



② Clockwise rotation



③ Pull it out

Quick connect module

Easy to disassemble and assemble, more efficient



① Clockwise rotation

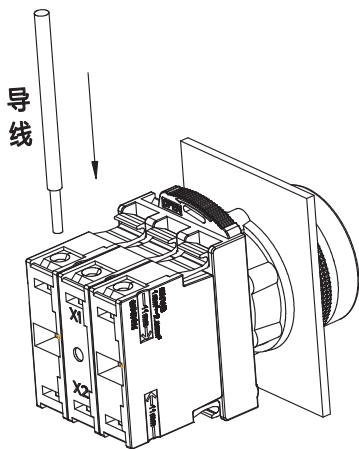


② Automatically pop up

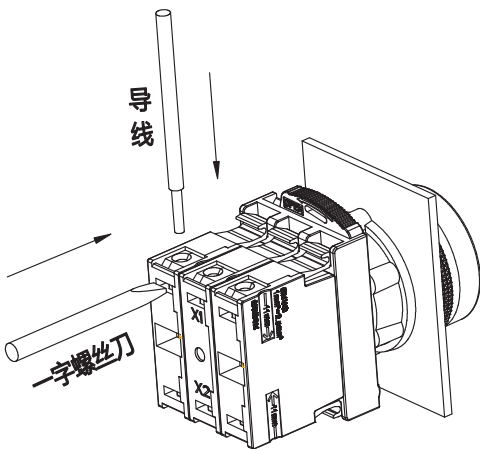


③ Automatic reset

ONPOW26 Series Quick connect switch block



Rigid line



Flexible wire



Wire (mm ²)	Strip length (mm)	First tension (N)	Number of parallel lines (lines)	Tin immersion thickness (mm)
0.2	11	≥ 30	4	≤ 0.3
0.3	11	≥ 30	4	≤ 0.3
0.5	11	≥ 50	2	≤ 0.3
1	11	≥ 80	2	≤ 0.3
1.5	11	≥ 80	1	≤ 0.3
2	11	≥ 80	1	≤ 0.3
2.5	11	≥ 80	1	≤ 0.3

Recommend using 1mm²–2.5mm² single stranded copper wire for direct insertion. If using other specifications of wires, please refer to the table

ONPOW26 Series Emergency stop button

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

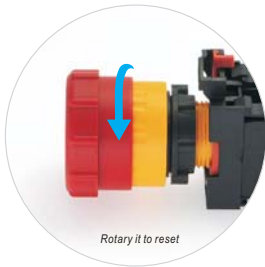
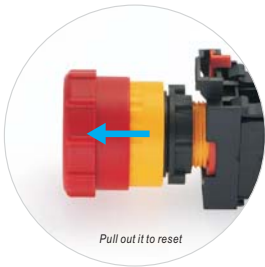
Even if the contact is fused, the circuit can be cut off by pressing the button hard to open the contact. Comply with IEC60947-5-1, Enclosure K, IEC60947-5-5, 5-2)

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)

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.



Product Picture

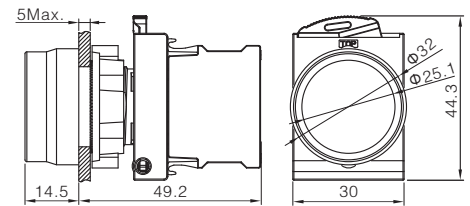
Description

Dimension



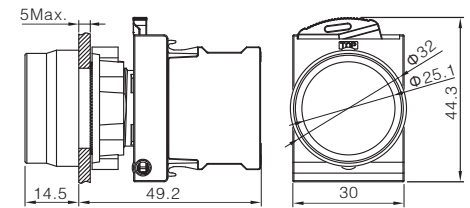
Flat Head Pushbutton
ONPOW26BK-□■P/※

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



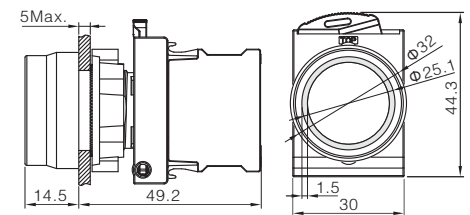
Flat Head Pushbutton (can be illuminated)
ONPOW26BK-□■E/△/▲/※

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



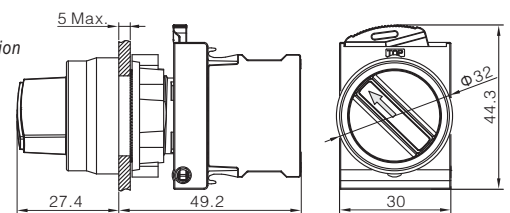
Ring type push button (can be illuminated)
ONPOW26BK-□■E/△/▲/※

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
LED voltage ▲ 6V / 12V / 24V / 110V / 220V
IP degree ※ P: IP65 / No letter means IP40



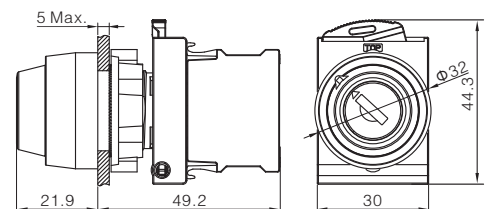
Selector switch (can be illuminated)
ONPOW26BK-□X/◇◆/△/▲/※


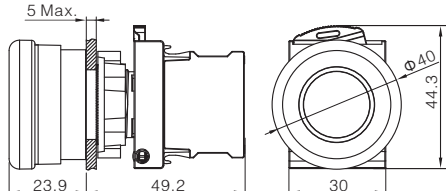

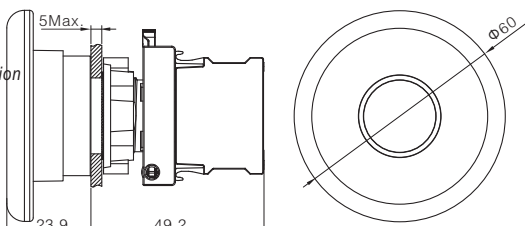

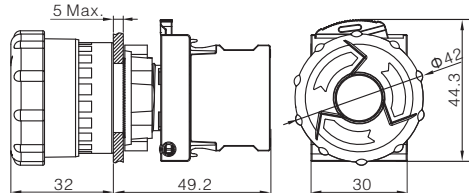

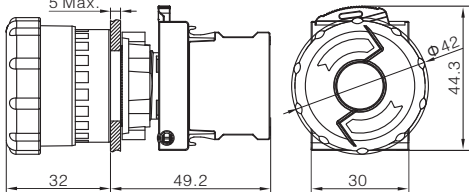

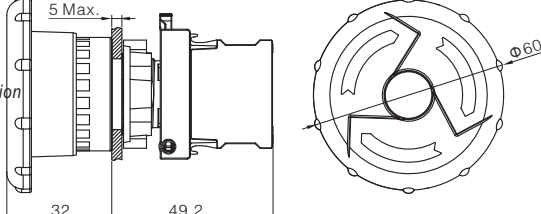
Contact □ 11: 1NO1NC / 20: 2NO / 02: 2NC
Other switch combinations refer to the model description
Operation ◇ ◆
LED color △ R G Y B W
LED voltage ▲ 6V / 12V / 24V / 110V / 220V
IP degree ※ P: IP65 / No letter means IP40




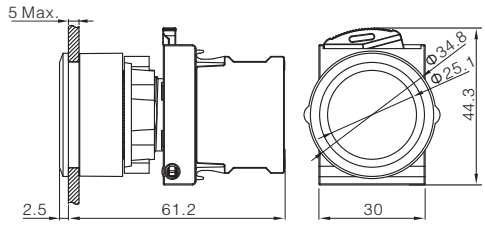

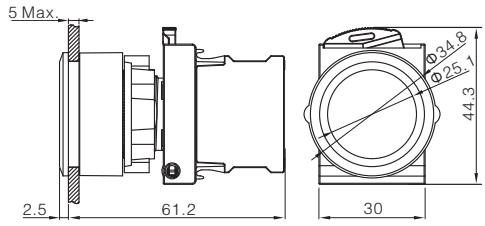

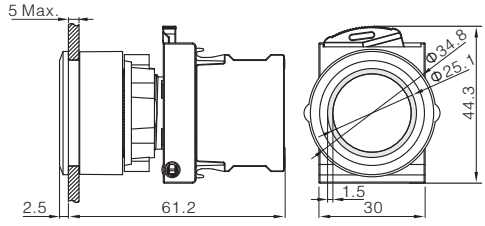

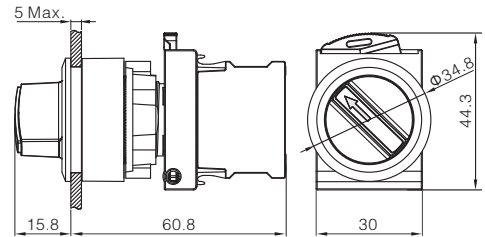

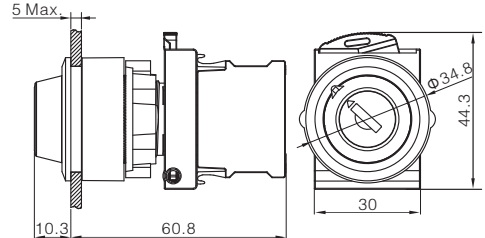
Key switch
ONPOW26BK-□Y/◇◆/△/▲/※

Contact □ 11: 1NO1NC / 20: 2NO / 02: 2NC
Other switch combinations refer to the model description
Operation ◇ ◆
IP degree ※ P: IP65 / No letter means IP40



Product Picture	Description	Dimension
 <p>Mushroom pushbutton (can be illuminated) ONPOW26BK-□■M/△/▲/※</p>	<p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>Operation type ■ Z: Latching / No letter means momentary</p> <p>LED color △ R G</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p>	
 <p>B type Mushroom pushbutton (can be illuminated) ONPOW26BK-□■MB/△/▲/※</p>	<p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>Operation type ■ Z: Latching / No letter means momentary</p> <p>LED color △ R G</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p>	
 <p>Emergency stop switch (can be illuminated) ONPOW26K-□TSA/▲/※</p>	<p>Operation Push-lock, pull/turn-reset</p> <p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p> <p>Accessory Warning ring T14-2260 / Protective ring T26</p>	
 <p>B type Emergency stop switch (can be illuminated) ONPOW26K-□TSB/▲/※</p>	<p>Operation Push-lock, pull/turn-reset</p> <p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p> <p>Accessory Warning ring T14-2260 / Protective ring T26</p>	
 <p>C type Emergency stop switch (can be illuminated) ONPOW26K-□TSC/▲/※</p>	<p>Operation Push-lock, pull/turn-reset</p> <p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p> <p>Accessory Warning ring T14-2260</p>	



Product Picture	Description	Dimension
 <p>Flat Head Pushbutton ONPOW2630K-□■P/※</p>	<p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>Operation type ■ Z: Latching / No letter means momentary</p> <p>IP degree ※ P: IP65 / No letter means IP40</p>	
 <p>Flat Head Pushbutton (can be illuminated) ONPOW2630K-□■/△/▲/※</p>	<p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>Operation type ■ Z: Latching / No letter means momentary</p> <p>LED color △ R G Y B W N</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p>	
 <p>Ring type push button (can be illuminated) ONPOW2630K-□■E/△/▲/※</p>	<p>Contact □ 11: 1NO1NC / 10: 1NO / 01: 1NC Other switch combinations refer to the model description</p> <p>Operation type ■ Z: Latching / No letter means momentary</p> <p>LED color △ R G Y B W</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p>	
 <p>Selector switch (can be illuminated) ONPOW2630K-□X/◆◇/△/▲/※</p>	<p>Contact □ 11: 1NO1NC / 20: 2NO / 02: 2NC Other switch combinations refer to the model description</p> <p>Operation ◇ ◆</p> <p>LED color △ R G Y B W</p> <p>LED voltage ▲ 6V / 12V / 24V / 110V / 220V</p> <p>IP degree ※ P: IP65 / No letter means IP40</p>	
 <p>Key switch ONPOW2630K-□X/◆◇/△/▲/※</p>	<p>Contact □ 11: 1NO1NC / 20: 2NO / 02: 2NC Other switch combinations refer to the model description</p> <p>Operation ◇ ◆</p> <p>IP degree ※ P: IP65 / No letter means IP40</p>	

Product Picture

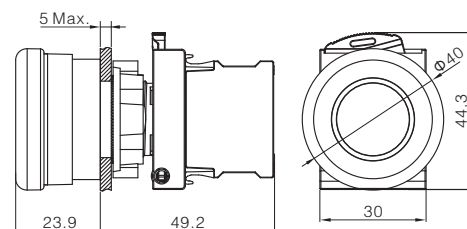
Description

Dimension



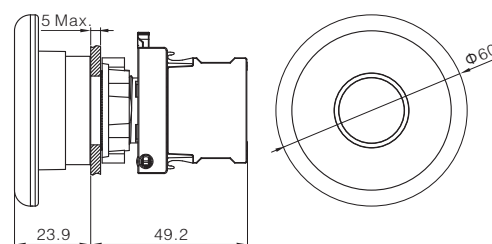
Mushroom pushbutton (can be illuminated)
ONPOW2630K-□■M/△/▲/※

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



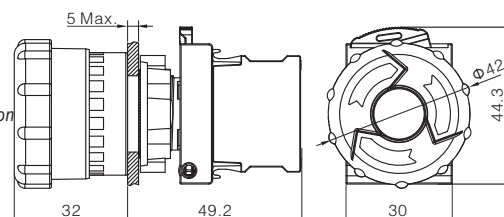
B type Mushroom pushbutton (can be illuminated)
ONPOW2630K-□■MB/△/▲/※

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



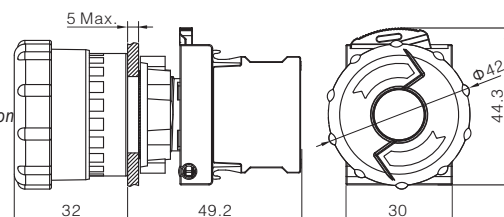
Emergency stop switch (can be illuminated)
ONPOW2630K-□TSA/▲/※

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



B type Emergency stop switch (can be illuminated)
ONPOW2630K-□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



C type Emergency stop switch (can be illuminated)
ONPOW2630K-□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

