3INOP62 Series

- Mounting hole diameter: Φ19,Φ22
- Switch characteristics: slow-action / single-throw
- Product features: Thickened silver contacts, larger silver-plated pins. Switch rating up to 20A/220VAC.
- Protection grade: IP40/IP67.

3INOP62 Series model description

3INOP62☆–□■◇/◆/△/▲/◎/※

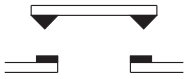
Symbol	Symbol name	Specify
☆	Panel cutout dimension	19: Φ19mm / Φ22mm
□	Contact structure	10: 1NO
■	Operation type	Z: Latching / No letter means Momentary
◇	Lamp type	E: Ring / ET: Ring+ power sign / No letter means without lamp
◆	Connect type	J: Pin terminal
△	Lamp color	R: Red / G: Green / Y: Yellow / B: Blue / W: White
▲	Lamp voltage	6V / 12~24V/ 110V , 220V external resistance required
◎	Shell material	S: stainless steel
※	IP Degree	No letter means IP40 / FP: IP67

Note: please carefully read the specific description of the product and select the corresponding code in the table according to different symbols.

Performance Characteristic

Operating temperature	-25 ~ + 55℃ (no freezing)
	keep the air flowing around illuminated push button
Operation Humidity	45~85%RH (no condensation)
Contact Resistor	≤50mΩ
Insulation Resistor	≥100MΩ(500VDC)
Maximum withstand voltage	1500V,50Hz AC,1min
Solder Heat Resistance	320℃, 3 seconds
Switch rating	AC-15: 5A 220VAC
	AC-12: 20A/220VAC
Mechanical Life	≥1000K cycles
Electrical Life	≥50K cycles
Base material	PA
Nut torque	about 0.6Nm
Operation Pressure	around 6N
Operation Travel	around 3.5mm
Protecting level	IP65(IP67 can be made),IK07

Switching Operation

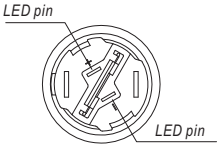
Type	Diagram	Sign
X		

Note: Using two terminals for double-break point slow-acting contact switches

Lamp ratings

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

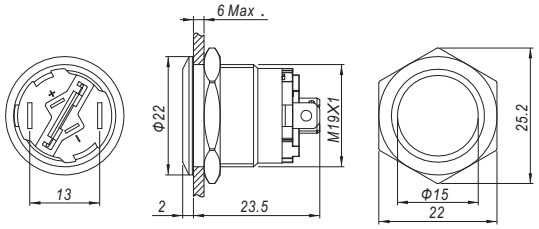
Terminal Description



+/- are lamp terminals, the standard LED, have no difference of anode and cathode, lamp and switch are relatively independent and can use switch or peripheral circuit to control the lamp state

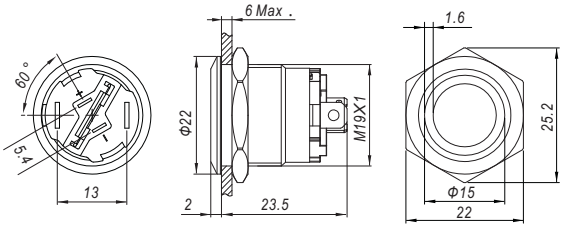
3INOP6219F-10 ■ /J / S /※

Contact structure	1NO
Operation type■	Z: Latching / No letter means momentary
Shell material	Stainless steel
Tail configuration	Terminal pins(4.8*0.8mm)
IP degree※	No letter means IP40 / FP: IP67
Applicable accessory	M12-19F Sealing cover / T21-19 Protective cover



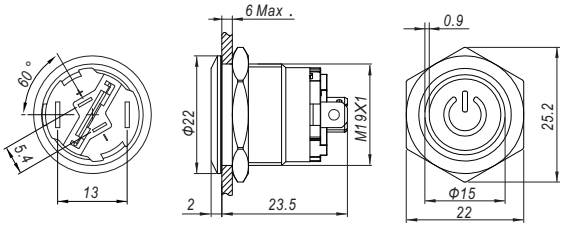
3INOP6219F–10■E/J / △ / ▲ /S/※

ontact structure	1NO
Operation type■	Z: Latching / No letter means momentary
Lamp color △	R G Y B W
Lamp voltage ▲	6V/12V~24V/110V/220V
Shell material	Stainless steel
Tail configuration	Terminal pins(4.8*0.8mm)
	LED pins(2.8*0.8mm)
IP degree※	No letter means IP40 / FP: IP67
Applicable accessory	M12-19F Sealing cover / T21-19 Protective cover



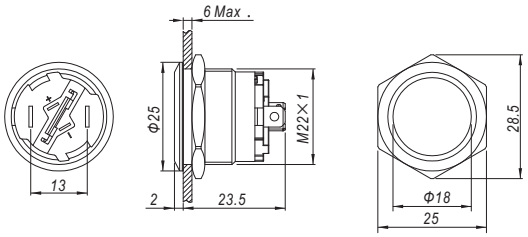
3INOP6219F–10■ET/J / △ / ▲ /S/※

ontact structure	1NO
Operation type■	Z: Latching / No letter means momentary
Lamp color △	R G Y B W
Lamp voltage ▲	6V/12V~24V/110V/220V
Shell material	Stainless steel
Tail configuration	Terminal pins(4.8*0.8mm)
	LED pins(2.8*0.8mm)
IP degree※	No letter means IP40 / FP: IP67
Applicable accessory	M12-19F Sealing cover / T21-19 Protective cover



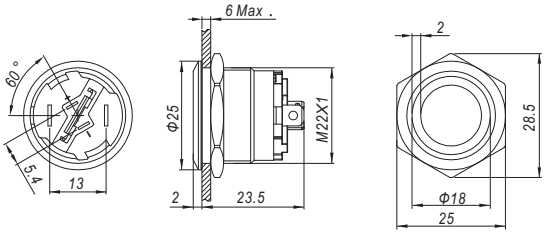
3INOP6222 F-10 ■ /J /S /※

Contact structure	1NO
Operation type■	Z: Latching / No letter means momentary
Shell material	Stainless steel
Tail configuration	Terminal pins(4.8*0.8mm)
IP degree※	No letter means IP40 / FP: IP67
Applicable accessory	M12-22F Sealing cover / T21-22 Protective cover



3INOP6222F–10■E / J / △ / ▲ /S / ※

ontact structure	1NO
Operation type■	Z: Latching / No letter means momentary
Lamp color △	R G Y B W
Lamp voltage ▲	6V/12V~24V/110V/220V
Shell material	Stainless steel
Tail configuration	Terminal pins(4.8*0.8mm)
	LED pins(2.8*0.8mm)
IP degree※	No letter means IP40 / FP: IP67
Applicable accessory	M12-22F Sealing cover / T21-22 Protective cover



3INOP6222F–10■ET /J/ △ / ▲ /S / ※

ontact structure	1NO
Operation type■	Z: Latching / No letter means momentary
Lamp color △	R G Y B W
Lamp voltage ▲	6V/12V~24V/110V/220V
Shell material	Stainless steel
Tail configuration	Terminal pins(4.8*0.8mm)
	LED pins(2.8*0.8mm)
IP degree※	No letter means IP40 / FP: IP67
Applicable accessory	M12-22F Sealing cover / T21-22 Protective cover