Part-number Description

LAS1 – ★ – □ ■ / ◇ / ◆● / △ / ▲ / ◎

Code of series	Code name	Contact structure	Operation mode	Lamp type	◆Operation position of selector and key-lock type: ●Operation position of selector and key-lock switch:	Lamp color	Lamp voltage	The crust material
	BGQ BGQ22 BGQ25 BGQ30 Different code name has different contact structure	11 1NO1NC 22 2NO2NC 33 3NO3NC	Z Latching type W Micro-travel type X Selector type Y Key-lock type TS Emergency stop No letter means momentary	D Dot E Ring	2 Two position 3 Three position 1 Maintain 2 Half return 3 Return	R Red G Green Y Yellow O Orange B Blue W White	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V Note: Other voltage can be made to order	S Stainless steel A Aluminium Alloy (Black anodized)

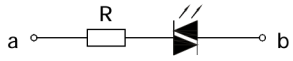
Note: Pls read the catalog carefully, and choose the right part-number according to the sign.
2、LAS1-BGQ22、LAS1-BGQ25 can be written as GQ22、GQ25.

Switch Rating

Rated Insulation Voltage Ui			250V			
Thermal Current Ith			3A			
Rated voltage			12V	24V	110V	220V
Rated Operation Current	AC 50/60Hz	Resistive load	—	—	5A	3A
		Inductive load	—	—	3A	2A
	DC	Resistive load	5A	5A	1A	0.5A
		Inductive load	2A	2A	0.2A	0.1A
Contact material			Silver Alloy			

Minimum load: 3V AC/DC,5mA (Reference)
Application scope depends on operating environment and load type

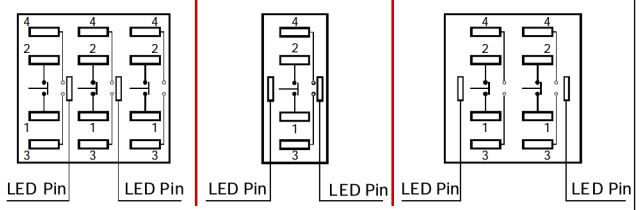
Lamp Ratings

Lamp Type	LED Lamp (AC/DC)
LED Color	R G Y O B W
Life	40000 hours (Reference)
Rated Voltage	AC/DC6V, AC/DC12V, AC/DC110V AC/DC24V, AC/DC36V, AC/DC220V
Rated Current	About 15mA; About 2mA
Dropping life	Inner resistance; Outer resistance when using 6V lamp.
Lamp Circuit Diagram	Using AC/DC LED lamp, the terminals have no difference of anode and cathode: Using inner resistance, do not need outer resistance 

Note: DC LED and other voltage can be made to order.

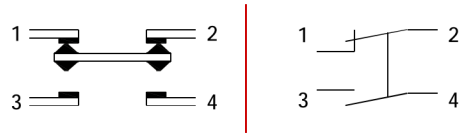
Certification

Terminal Description



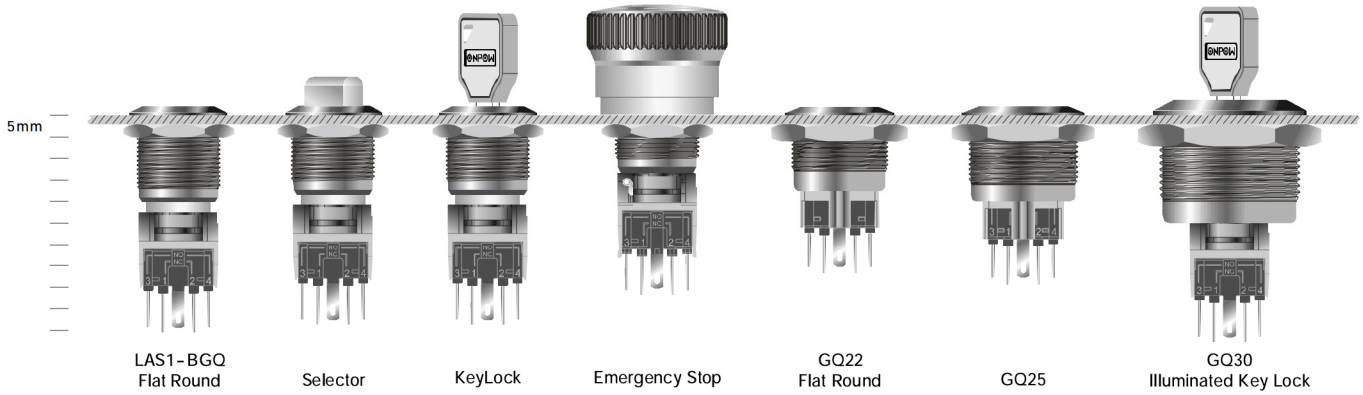
1,2,3,4 are one set;1,2 are normal closed(NC);3,4 are normal opened(NO).
The standard LED terminals have no difference of anode and cathode.
The lamp and switch are relatively independent and can use switch or peripheral circuit to control the lamp state.

Switching Operation

Type	Za
Diagram and Sign	

Explanation: Using four terminals, double-break and fast-motion Changeover contact

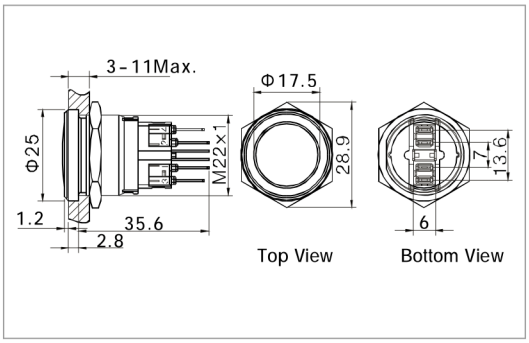
Installation Effect



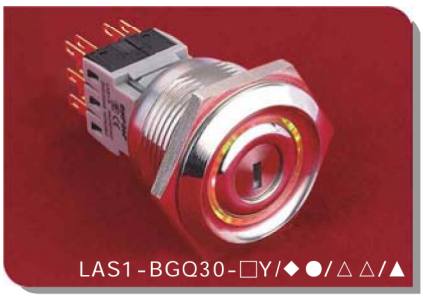
Anti-vandal body illuminated push button



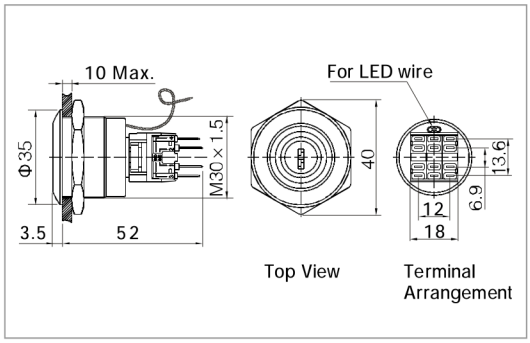
- Φ22mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration: 1NO1NC
- Operation Type: Momentary
- Body Illuminated
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- The Crust Material: PC
- IP Degree: IP65



Metal illuminated keylock switch

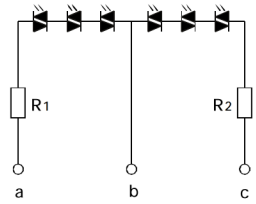


- Φ30mm Diameter
- Switch Rating: Ith:5A, Ui:250V
- Contact Configuration(□): 1NO1NC (11)
  2NO2NC(22)
  3NO3NC(33)
- Operation Position(◆):
  Two Position(2) /Three Position(3)
- Operation Type: (●): Remain(1)/
  Half return(2)/Return(3)
- Ring illuminated
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- IP Degree: IP40,IK03



Specification		GQ22-11E/△/▲/PC	LAS1-BGQ30-□Y/◆●/△△/▲
The Front Shape		Flat Round	Key Lock
Terminal Type		Pin Terminal(2.8×0.5mm)	Pin Terminal(2.8×0.5mm)
Switching		Za(double-break fast-motion changeover contact)	Za(double-break fast-motion changeover contact)
Max. Switch Rating		Ith:5A Ui:250V	Ith:5A Ui:250V
Dielectric Intensity		2000VAC	2000VAC
Operating Temp		-20℃ ~ +55℃	-20℃ ~ +55℃
Mechanical Life		1,000,000 cycles	500,000 cycles
Electrical Life		50,000 cycles	50,000 cycles
Panel Thickness		1~8mm	1~10mm
Torque		5.5~7N	About 5.5N
IP Degree		IP65	IP40,IK03
Material	Contact	Silver Alloy	Silver Alloy
	Button	Stainless Steel	Stainless Steel
	Body	PC	Stainless Steel
	Base	PA	PA
	RoHS	Made to order	Made to order
LED Spec.	Type	Body illuminated(LED)	Ring(Many flame type)
	Rated Voltage	6V / 12V / 24V / 110V / 220V	6V / 12V / 24V / 110V / 220V
	Color	R G Y O B W	R G Y O B W
	Life	40000 hours	40000 hours

Diagram of the flame part



Implication:

- Do not need connect outer resistance
- Many LED color to choose
- Special color through mixed flame color
- Different select by changing contact open-close state

Flame display



Red Green Red&Green

Note: usually to be red&greenLED, others colors can also be made

LAS1-BGQ State chart in operation

Switch Type / Operation Position	90° Two Position			180° Three Position			
	1NO1NC	2NO2NC	3NO3NC	2NO2NC	2NO2NC	2NO2NC	3NO3NC
↘	●|● ○ ○	●|● ○ ○ ●|● ○ ○	●|● ○ ○ ●|● ○ ○ ●|● ○ ○	●|● ○ ○	●|● ○ ○ ●|● ○ ○	●|● ○ ○ ●|● ○ ○	●|● ○ ○ ●|● ○ ○ ●|● ○ ○
↑				●|● ○ ○	●|● ○ ○	●|● ○ ○	●|● ○ ○ ●|● ○ ○
↙	●|● ○ ○	●|● ○ ○ ●|● ○ ○	●|● ○ ○ ●|● ○ ○ ●|● ○ ○	●|● ○ ○	●|● ○ ○ ●|● ○ ○	●|● ○ ○ ●|● ○ ○	●|● ○ ○ ●|● ○ ○ ●|● ○ ○