



Part-number Description

Code of Series	Code name	The Front shape	Contact structure	Operation mode	Lamp type	Operation position of selector and Key-lock type	Lamp color	Lamp voltage	The Crust Material
	GQ AGQ BGQ	H High Round PF Super flat head+ flat actuator PH Super flat head+ high actuator No letter here for selector switch, key lock switch and emergency stop switch	11 1NO1NC 22 2NO2NC 33 3NO3NC See the detailed description which are available	Z Latching 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 ● Operation type of selector and Key-lock type 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 Other voltage can be made to order	S Stainless steel A Aluminium alloy(Black) T Aluminium alloy(White) N Nickel-plated brass

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

LAS1GQ,LAS1-BGQ Switching Operation

Rated Insulation Voltage Ui		250V				
Thermal Current Ith		5A				
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

Performance Characteristic

Operating Temp	-25°C~+55°C (Non freezing) Keep the switch air circulating well
Operating Humidity	45~85%RH(Non condensing)
Contact Resistance	≤50mΩ
Insulation Resistance	≥1000MΩ
Max. withstanding voltage	2000V, AC50Hz, 5s
Vibration resistance	50Hz, amplitude about 1.2mm
Shock resistance	> 10g
Solder resistance	320°C (or 30W soldering iron) no more than 2s

Standard and Certificate

Standard	Certification mark	Certification Authority/Number
UL508		UL/E254053 E344706
EN61058		VDE/40001664
GB14048.5-2008		CCC/2011010305467129
EN61058-1:2002+A2:2008		VOV/VT11018806
EN60947-1:2004		CTS/CTS070706-01006-E

Lamp Ratings

Lamp Type	LED lamp(AC/DC)
LED Color	
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 Way	Inner resistor; Outer resistor to 6V LED
Lamp Circuit Diagram	Using AC/DC LED lamp, the terminals have no difference of anode and cathode; Using inner resistor, do not need connect outer resistor.

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

Terminal Description



1, 2 are normal closed(NC)
3, 4 are normal opened(NO)
+, - are lamp terminals, 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	C	Za
Diagram		
Sign		