

## Related certification

Standard	signal	
UL 508		UL Recognized File No.E307512
EN60947-1 EN60947-5-1		
GB 14048.5		

## Specifications

Degree of Protection	IP 65 Watertight /Oiltight
Contact Configuration	Single Pole, Double Pole
Maximum Voltage	250V AC/DC
Thermal Current	5A
Minimum Applicable Load	5V AC/DC, 1mA
Contact Material	Gold-plated silver
Terminal Style	.110" Solder/Quick Connect
Operating Temperature	-25°C to +55°C
Operating Humidity	45 to 85% RH
Contact Resistance	50MΩ maximum
Insulation Resistance	100MΩ minimum (500V DC megger)
Vibration Resistance	10 to 55Hz, amplitude 1.2mm p-p
Degree of Protection	>10g
Electrical Life	100,000 operations minimum (at full rated load)
Mechanical Life	Maintained: 1,000,000 operations minimum Momentary: 1,000,000 operations minimum Selector/Keylock: 250,000 operations minimum
Dielectric Strength	Switch Unit: 2,000V AC, 1min. between live/dead part and terminals of different poles; 1,000V AC, 1 minute between terminals of the same pole; 1,500V AC, 1 minute between contact and lamp terminals. Illumination Unit: 2,000V AC, 1min. between live Part/ground
Soldering Temperature	20W/5 Seconds or 260C/3 seconds



## Features

- Installation diameter: 16mm
- Degree of Protection: IP65
- Silver Plated of contact: 3 μ
- Compact design save space
- Momentary, Maintained, Selector and E-stops
- LED Super bright LED cold light source lamp display

## How to order

Mounting Size	Operation Style	Operation Characteristic	Contact Structure	Selection Code
	4: Selector (2P) 5: Selector (3P) 6: Key Switch (2P) 7: Key Switch (3P)	1: Round 2: Square 3: Rectangular	0: Nil 1: SPDT(1a+1b) 2: DPDT(2a+2b) 3: TPDT(3a+3b)	Key out Positon Move way 2: 2 Positon Maintained 0: 2 Positon Momentary 3: 3 Positon Maintained 7: 3 Positon Right Momentary 6: 3 Positon Left Momentary 1: 3 Positon Both Momentary

## Contact Ratings

Working voltage		24V	110V	220V
AC (50/60Hz)	Resistive	—	1.0A	0.5A
	Inductive	—	0.7A	0.5A
DC	Resistive	1.0A	0.2A	—
	Inductive	0.7A	0.1A	—

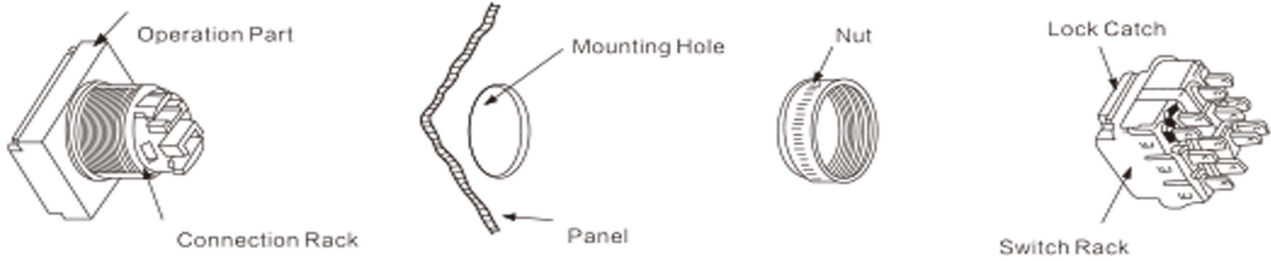
## LED Ratings

Rated Voltage	Current
5V DC ± 5%	8mA
6V AC/DC (± 10%)	AC: A, R, W, Y: 8mA G, S: 7mA DC: A, R, W, Y: 6mA G, S: 5mA
12V AC/DC (± 10%)	AC: 9mA DC: 8mA
24V AC/DC (± 10%)	AC: 9mA DC: 8mA

	Reset Style			Key out Positon							
	Maintained	Momentary		A	B	D			E	F	G
3Position											
Code	2	0		A	B	D					
3Position											
Code	3	7	6	1	A	B	C	D	E	F	G

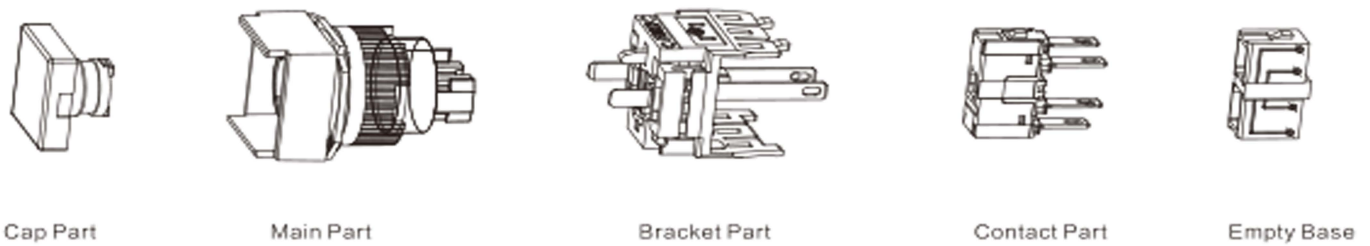
Selector/Key basic rotation angle 90°

## ■ Mounting

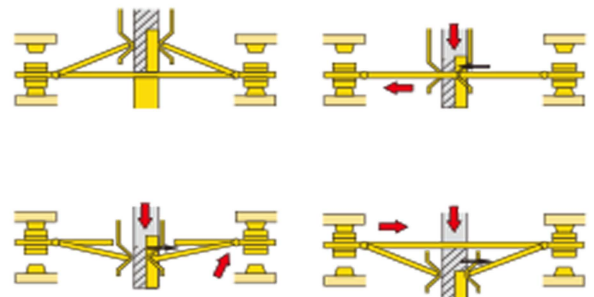
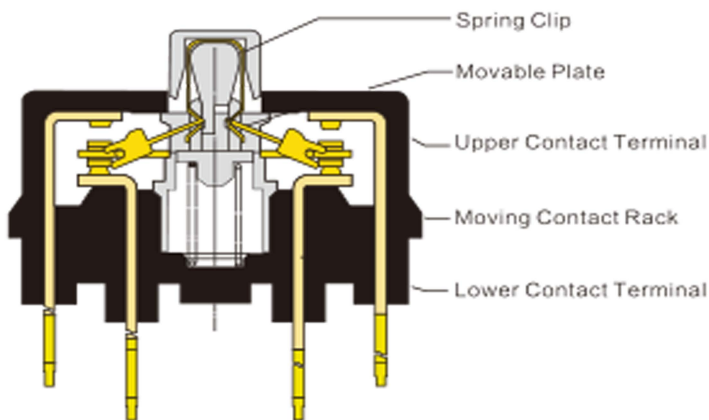


- When installation, please use the special spanner, appropriate imprison torque to 0.6–1 N.m
- Welding operations, pay attention to the following:
  - 1) Soldering pen for 30W power below.
  - 2) Solder must bring gum rosin solder wire.
  - 3) Welding duration when 30W 5 seconds, when 20W within 10 Seconds.
- In the lock state do not open the alternate type button, it could lead to internal structre damage.
- Easily rotate choose Switch and Key Switch can, operation do not excessive force (1 N.m above)
- Installation of us F16, please pay attention to install board can't more than cover the biggest 2.6mm. waterproof cover the biggest 2.0mm, the largest ring 1mm.

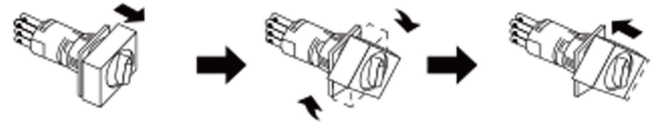
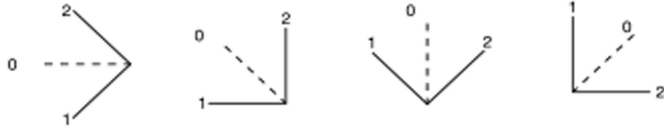
## ■ Assembling









## ■ Contact Structure Chart



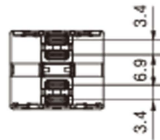
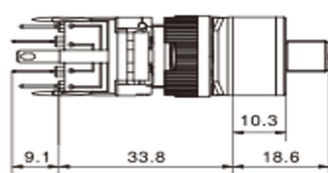
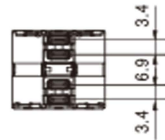
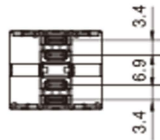
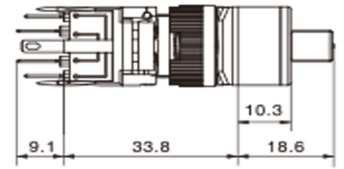
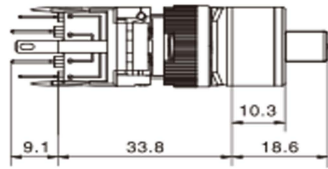
## 16mm Selector Switches



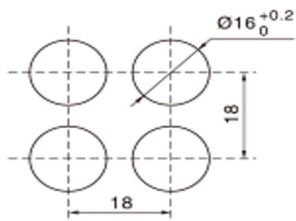
Product appearance	Operation		Contact		
<b>Round RJSPS16B Round Selector Button</b>  	90° 2 Position	L	Maintained	SPDT	
		L	Momentary	SPDT	
		R	Maintained	DPDT	
		R	Momentary	DPDT	
	90° 3 Position	L	Maintained	DPDT	
		R	Left lock Right reset	DPDT	
		C	Left reset Right lock	DPDT	
		R	Momentary	DPDT	
		C	Maintained	/TPDT	
		R	Left lock Right reset	/TPDT	
		C	Left reset Right lock	/TPDT	
		R	Momentary	/TPDT	
	<b>Square RJSPS16B Square Selector Button</b>  	90° 2 Position	L	Maintained	SPDT
			L	Momentary	SPDT
R			Maintained	DPDT	
R			Momentary	DPDT	
90° 3 Position		L	Maintained	DPDT	
		R	Left lock Right reset	DPDT	
		C	Left reset Right lock	DPDT	
		R	Momentary	DPDT	
		C	/Maintained	TPDT	
		R	Left lock Right reset	TPDT	
		C	Left reset Right lock	TPDT	
		R	Momentary	TPDT	
<b>Rectangle RJSPS16B Rectangular Selector Button</b>  		90° 2 Position	L	Maintained	SPDT
			L	Momentary	SPDT
	R		Maintained	DPDT	
	R		Momentary	DPDT	
	90° 3 Position	L	Maintained	DPDT	
		R	Left lock Right reset	DPDT	
		C	Left reset Right lock	DPDT	
		R	Momentary	DPDT	
		C	Maintained	TPDT	
		R	Left lock Right reset	TPDT	
		C	Left reset Right lock	TPDT	
		R	Momentary	TPDT	

## Selector and Key Switch Handle Positon

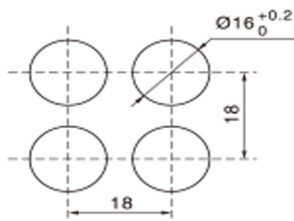
Operation		Contact	↙	↑	↗
90° 2 2 Positon	Maintained 	SPDT			
	Momentary 	双刀 DPDT			
90° 3 3 Positon	Maintained 	三刀 TPDT			
	Left lock Right reset 				
	Left reset Right lock 				
	Momentary 				



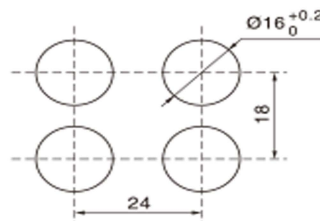
### Installation size



Round

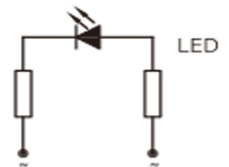


Square



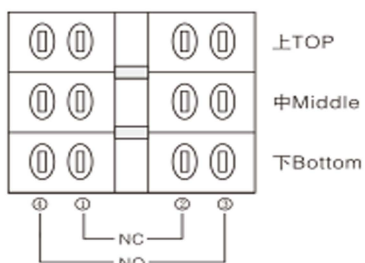
Rectangle

### LED Circuit



for 12VDC, 24VDC, 110VAC, 220VAC

### Terminal style



As shown at right, the base of product to be seen as front side, which show terminal disposition and inside coil drawing.

Product assemble contact 1C(1a+1b), if needed, Please appoint to add at least 3C(1a+1b)