

RJSPS16B SERIES

SELECTOR SWITCH



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 Position Maintained 0: 2 Position Momentary 3: 3 Position Maintained 7: 3 Position Right Momentary 6: 3 Position Left Momentary 1: 3 Position 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	—

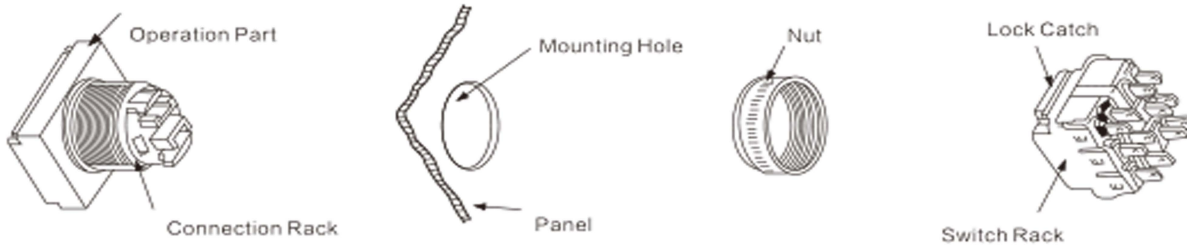
LED Ratings

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										
3Position												
Code	2	0			A	B		D				
3Position												
Code	3	7	6	1	A	B	C	D	E	F	G	

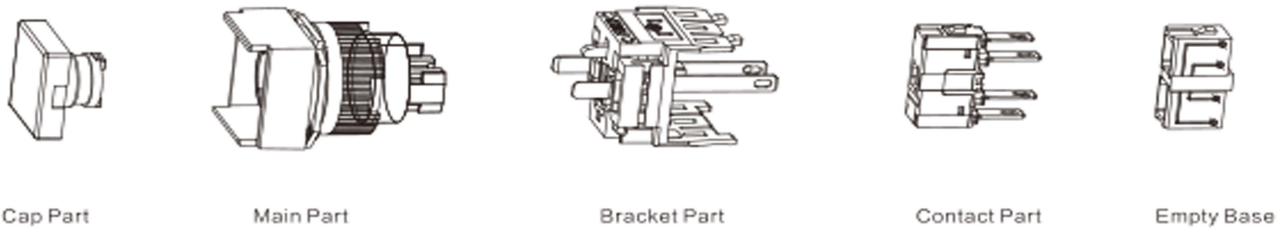
Selector/Key basic rotation angle 90°

■ Mounting

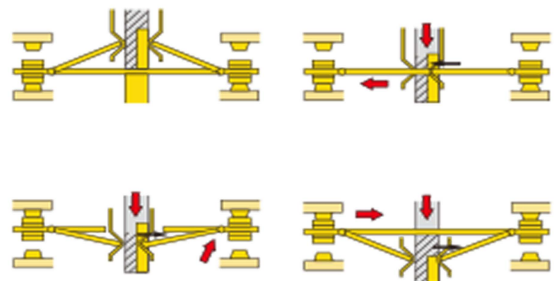
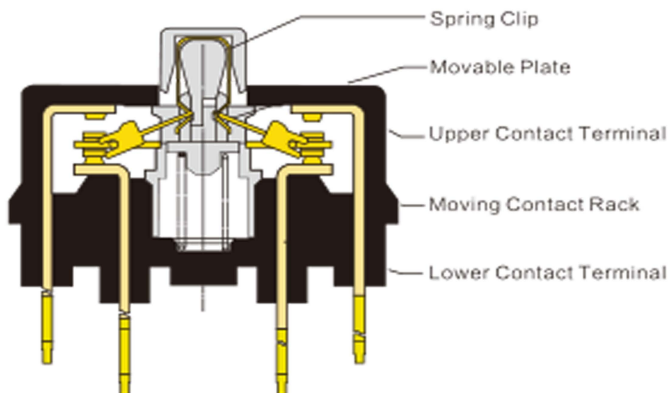


- When installation, please use the special spanner, appropriate torque to 0.6–1 N.m
- Welding operations, pay attention to the following:
 - 1) Soldering pen for 30W power below.
 - 2) Solder must bring gum rosin solder wire.
 - 3) Welding duration when 30W 5 seconds, when 20W within 10 Seconds.
- In the lock state do not open the alternate type button, it could lead to internal structure 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

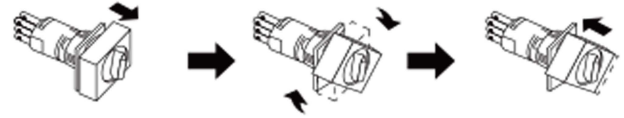
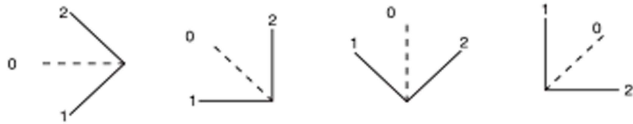










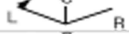


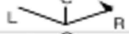

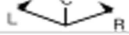








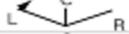
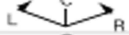





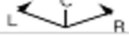






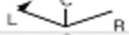
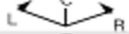
RJSPS16B SERIES

SELECTOR SWITCH



16mm Selector Switches



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

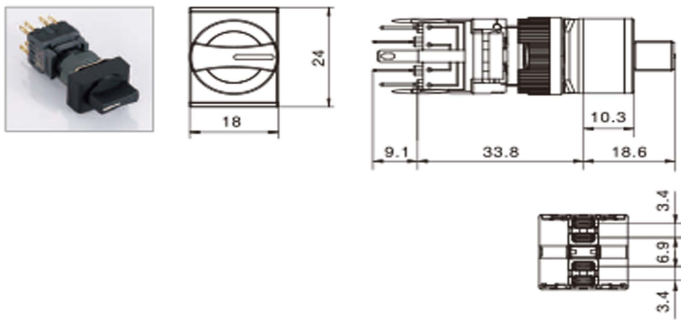
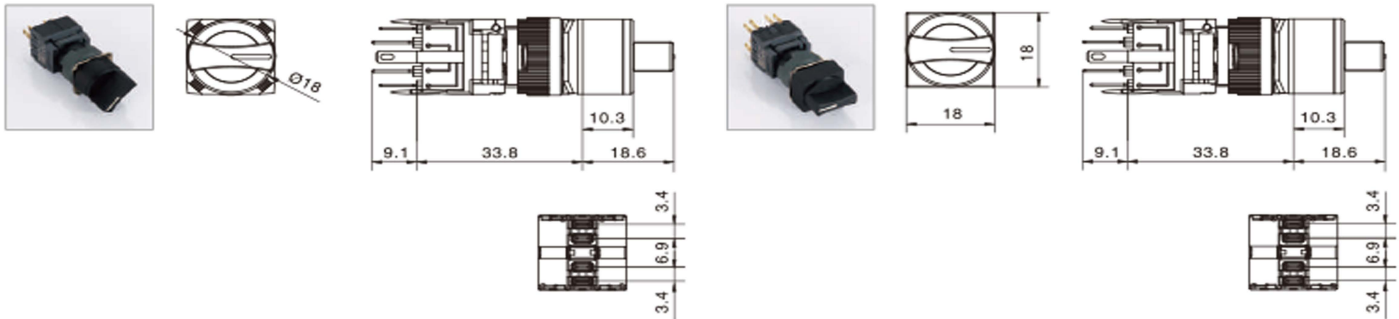
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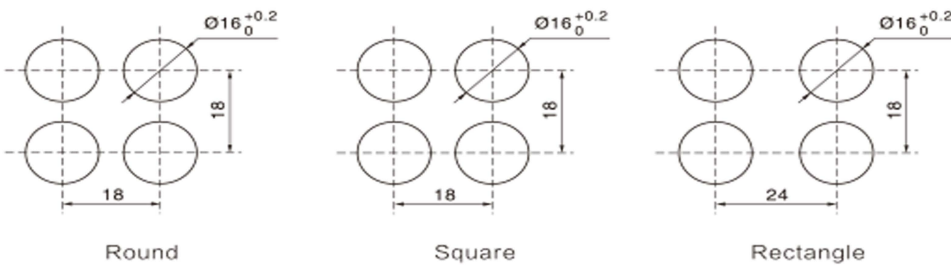


Selector and Key Switch Handle Position

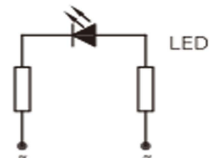
Operation					Contact	↙	↑	↗
90° 2 2 Positon	 Maintained		 Momentary		SPDT			
					双刀 DPDT			
90° 3 3 Positon	 Maintained	 Left lock Right reset	 Left reset Right lock	 Momentary	三刀 TPDT			



Installation size

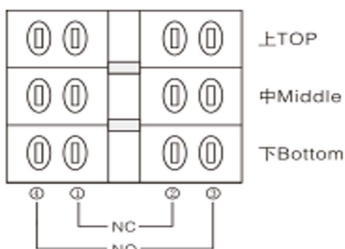


LED Circuit



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)