

RJSPS16B SERIES

MUSHROOM HEAD PUSH BUTTON SWITCH



Illuminated / Non-Illuminated Mushroom head Push Button Switches

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

How to Order

RJSPS16B	□	□	□	□	□	□	□
	Operation Style	Operation Characteristic	Contact Structure	Colour	Voltage	Degree of Protection	Lamp Shade
Ø16	Indicator Momentary Maintained Selector (2P) Selector (3P) Key Switch (2P) Key Switch (3P) E-stop(Normal) Mushroom A E-Stop(Witch Warning Label) B E-Stop	Round Square Rectangle Round (LED) Square (LED) Rectangle (LED)	Nil SPDT(1a+1b) DPDT(2a+2b) TPDT(3a+3b) Maintained (Only Mushroom) Maintained (Only Mushroom) Maintained (OnlyMushroom)	R Red G Green Y Yellow W White B Blue A Orange	24VDC 12VDC 6.3VDC 110VAC 220VAC	Nil IP65	Camber Lamp Shade(arc)

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

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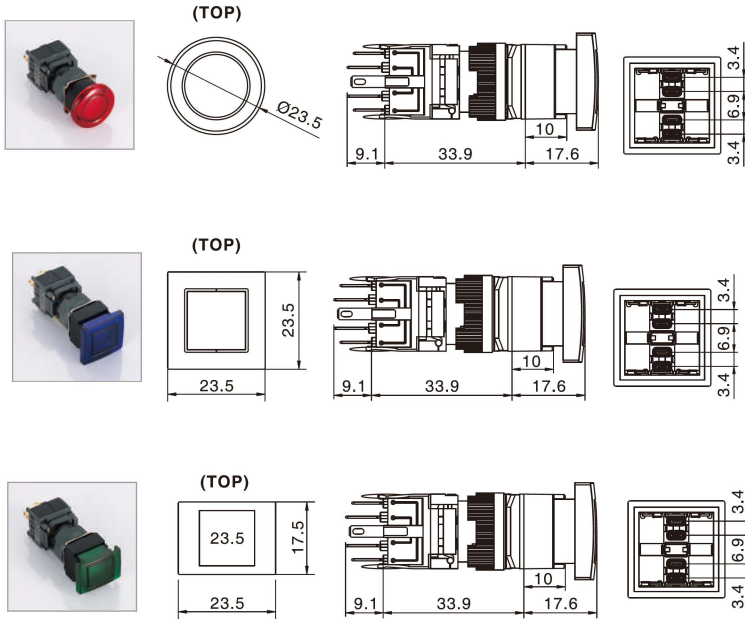
Product appearance	Operation	Illuminated type	Contact	Model	Colour	Rated Voltage		
Round  	Momentary	Without LED	SPDT	RJSPS16B -911	R Red G Green Y Yellow W White B Blue	24VDC 12VDC 6.3VDC 110VAC 220VAC		
			DPDT	RJSPS16B -912				
			TPDT	RJSPS16B -913				
		With LED	SPDT	RJSPS16B -971				
			DPDT	RJSPS16B -972				
			TPDT	RJSPS16B -973				
	Latching	Without LED	SPDT	RJSPS16B -911H				
			DPDT	RJSPS16B -912H				
			TPDT	RJSPS16B -913H				
		With LED	SPDT	RJSPS16B -971H				
			DPDT	RJSPS16B -972H				
			TPDT	RJSPS16B -973H				
	Square  	Momentary	Without LED	SPDT		RJSPS16B -921	R Red G Green Y Yellow W White B Blue	24VDC 12VDC 6.3VDC 110VAC 220VAC
				DPDT		RJSPS16B -922		
				TPDT		RJSPS16B -923		
With LED			SPDT	RJSPS16B -981				
			DPDT	RJSPS16B -982				
			TPDT	RJSPS16B -983				
Latching		Without LED	SPDT	RJSPS16B -921H				
			DPDT	RJSPS16B -922H				
			TPDT	RJSPS16B -923H				
		With LED	SPDT	RJSPS16B -981H				
			DPDT	RJSPS16B -982H				
			TPDT	RJSPS16B -983H				
长方形 / Rectangle  		Momentary	Without LED	SPDT	RJSPS16B -931	R Red G Green Y Yellow W White B Blue		24VDC 12VDC 6.3VDC 110VAC 220VAC
				DPDT	RJSPS16B -932			
				TPDT	RJSPS16B 933			
	With LED		SPDT	RJSPS16B 991				
			DPDT	RJSPS16B 992				
			TPDT	RJSPS16B 993				
	Latching	Without LED	SPDT	RJSPS16B 931H				
			DPDT	RJSPS16B 932H				
			TPDT	RJSPS16B 933H				
		With LED	SPDT	RJSPS16B 991H				
			DPDT	RJSPS16B 992H				
			TPDT	RJSPS16B 993H				

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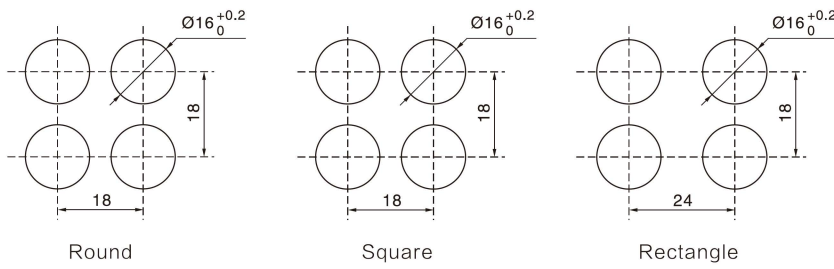
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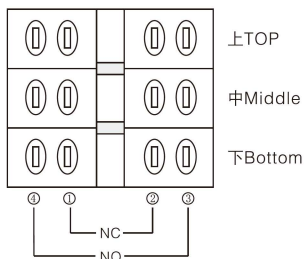
Drawing



Installation size



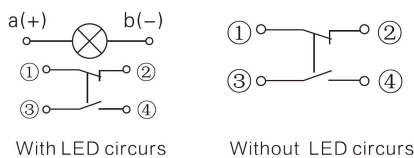
Terminal style



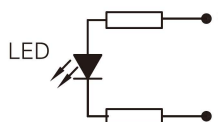
As shown at right, the base of product to be seen as front side, which show terminal disposition and inside coil drawing.

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

Contacts Circuit



LED Circuit



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