

Push Button Switches



LED Ratings

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












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	—

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°Cto +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 Selecotr /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

How to Order

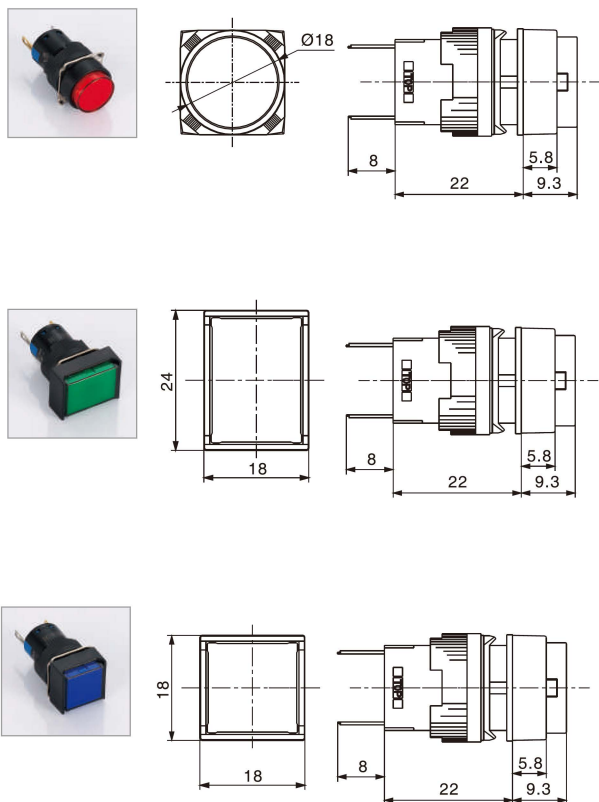
RJSPS16A	—					
		Operation Style	Operation Characteristic	Contact Structure	Colour	Voltage
		Momentary	Round	Nil	 Red	24VDC
			Square	SPDT(1a+1b)	 Green	12VDC
			Rectangle	DPDT(2a+2b)	 Yellow	6.3VDC
		Latching	Round (LED)	TPDT(3a+3b)	 White	110VAC
			Square (LED)	H: Maintained	 Blue	220VAC
			Rectangle (LED)	Only Mushroom)	 Orange	

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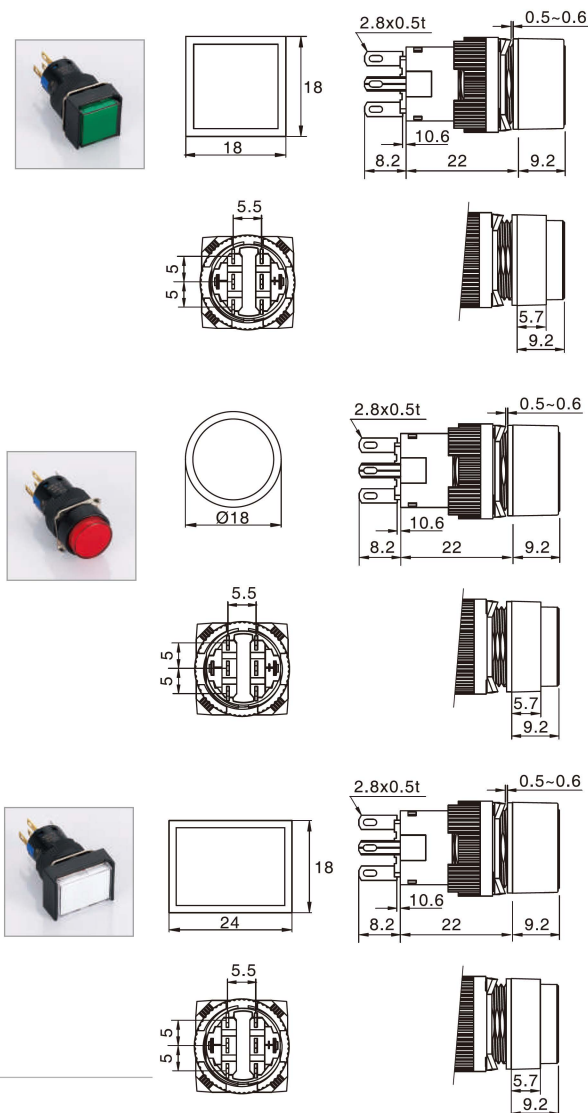
Product appearance	Operation	Illuminated type	Contact	Model	Colour	Rated Voltage
<div>Round</div> <div></div> <div></div>	Momentary	Without LED	SPDT	RJSPS16A~ -211	<div><div>R</div> Red</div> <div><div>G</div> Green</div> <div><div>Y</div> Yellow</div> <div><div>W</div> White</div> <div><div>B</div> Blue</div> <div><div>A</div> Orange</div>	D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
			DPDT	RJSPS16A~ -212		
		With LED	SPDT	RJSPS16A~ -271		
			DPDT	RJSPS16A~ -272		
	Latching	Without LED	SPDT	RJSPS16A~ -311		
			DPDT	RJSPS16A~ -312		
		With LED	SPDT	RJSPS16A~ -371		
			DPDT	RJSPS16A~ -372		
<div>Square</div> <div></div> <div></div>	Momentary	Without LED	SPDT	RJSPS16A~ -221	<div><div>R</div> Red</div> <div><div>G</div> Green</div> <div><div>Y</div> Yellow</div> <div><div>W</div> White</div> <div><div>B</div> Blue</div> <div><div>A</div> Orange</div>	24VDC 12VDC 6.3VDC 110VAC 220VAC
			DPDT	RJSPS16A~ -222		
		With LED	SPDT	RJSPS16A~ -281		
			DPDT	RJSPS16A~ -282		
	Latching	Without LED	SPDT	RJSPS16A~ -321		
			DPDT	RJSPS16A~ -322		
		With LED	SPDT	RJSPS16A~ -381		
			DPDT	RJSPS16A~ -382		
<div>Rectangle</div> <div></div> <div></div>	Momentary	Without LED	SPDT	RJSPS16A~ -231	<div><div>R</div> Red</div> <div><div>G</div> Green</div> <div><div>Y</div> Yellow</div> <div><div>W</div> White</div> <div><div>B</div> Blue</div> <div><div>A</div> Orange</div>	24VDC 12VDC 6.3VDC 110VAC 220VAC
			DPDT	RJSPS16A~ -232		
		With LED	SPDT	RJSPS16A~ -291		
			DPDT	RJSPS16A~ -292		
	Latching	Without LED	SPDT	RJSPS16A~ -331		
			DPDT	RJSPS16A~ -332		
		With LED	SPDT	RJSPS16A~ -391		
			DPDT	RJSPS16A~ -392		

Push Button Switches

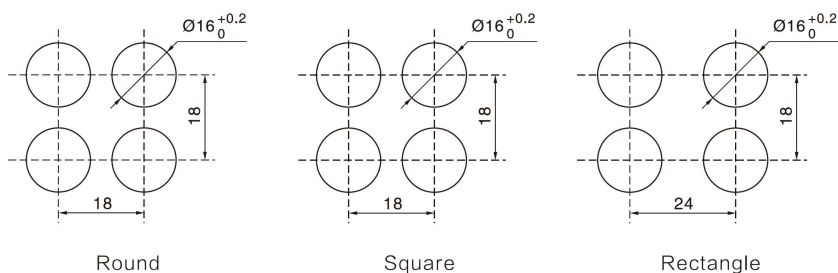
Single Pole



Double Pole

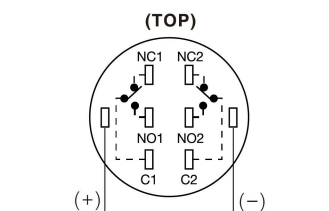


Installation size

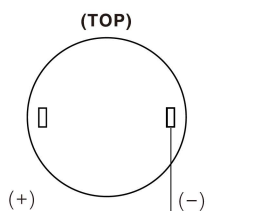


Terminal style

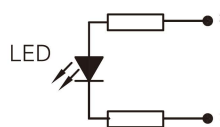
Push Button



Indicator









LED Circuit

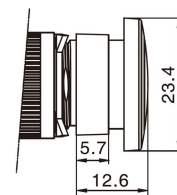
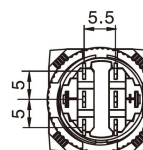
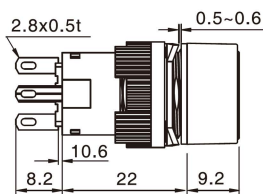
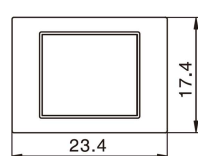
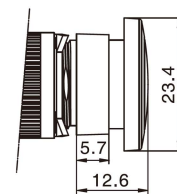
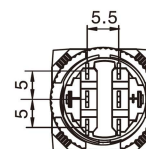
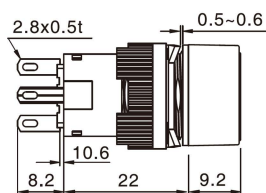
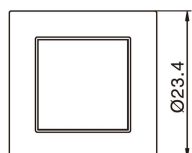
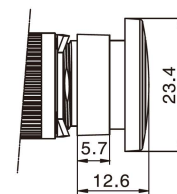
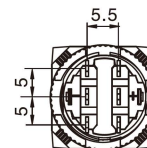
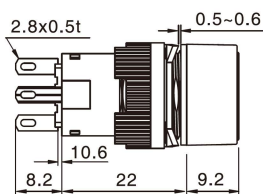
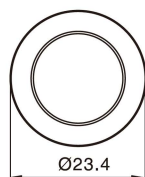


12VDC, 24VDC, 110VAC, 220VAC

Push Button Switches

Product appearance	Operation	Illuminated type	Contact	Model	Colour	Rated Voltage
Round  	Momentary	Without LED	SPDT	RJSPS16A~ -911	<div> <div>R</div> Red <div>G</div> Green <div>Y</div> Yellow <div>W</div> White <div>B</div> Blue </div>	24VDC 12VDC 6.3VDC 110VAC 220VAC
			DPDT	RJSPS16A~ -912		
		With LED	SPDT	RJSPS16A~ -971		
			DPDT	RJSPS16A~ -972		
	Maintained	Without LED	SPDT	RJSPS16A~ -911H		
			DPDT	RJSPS16A~ -912H		
		With LED	SPDT	RJSPS16A~ -971H		
			DPDT	RJSPS16A~ -972H		
		Without LED	SPDT	RJSPS16A~ -921		
			DPDT	RJSPS16A~ -922		
Square  	Momentary	Without LED	SPDT	RJSPS16A~ -921	<div> <div>R</div> Red <div>G</div> Green <div>Y</div> Yellow <div>W</div> White <div>B</div> Blue </div>	24VDC 12VDC 6.3VDC 110VAC 220VAC
			DPDT	RJSPS16A~ -922		
		With LED	SPDT	RJSPS16A~ -981		
			DPDT	RJSPS16A~ -982		
	Maintained	Without LED	SPDT	RJSPS16A~ -921H		
			DPDT	RJSPS16A~ -922H		
		With LED	SPDT	RJSPS16A~ -981H		
			DPDT	RJSPS16A~ -982H		
	Momentary	Without LED	SPDT	RJSPS16A~ -931	<div> <div>R</div> Red <div>G</div> Green <div>Y</div> Yellow <div>W</div> White <div>B</div> Blue </div>	24VDC 12VDC 6.3VDC 110VAC 220VAC
			DPDT	RJSPS16A~ -932		
		With LED	SPDT	RJSPS16A~ -991		
			DPDT	RJSPS16A~ -992		
	Maintained	Without LED	SPDT	RJSPS16A~ -931H		
			DPDT	RJSPS16A~ -932H		
		With LED	SPDT	RJSPS16A~ -991H		
			DPDT	RJSPS16A~ -992H		
Rectangle  	Momentary	Without LED	SPDT	RJSPS16A~ -931		
			DPDT	RJSPS16A~ -932		
		With LED	SPDT	RJSPS16A~ -991		
			DPDT	RJSPS16A~ -992		
	Maintained	Without LED	SPDT	RJSPS16A~ -931H		
			DPDT	RJSPS16A~ -932H		
		With LED	SPDT	RJSPS16A~ -991H		
			DPDT	RJSPS16A~ -992H		

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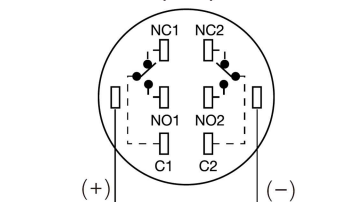
Terminal style



LED Circuit

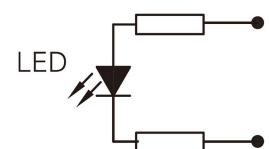
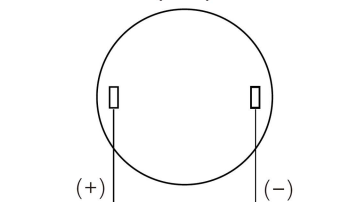
Push Button

(TOP)



Indicator

(TOP)



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