RJSPS10A SERIES
PUSH BUTTON SWITCH

RJS Electronics

Specifications

Degree of Protection	IP 40 Watertight /Oiltight
Contact Configuration	Single Pole, Double Pole
Maximum Voltage	250V AC/DC
Thermal Current	3A
Minimum Applicable Load	5V AC/DC, 1mA
Contact Material	Gold–plated silver
Terminal Style	.110" Solder/Quick Connect
Operating Temperature	−25℃to +55℃
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

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

RJSPS [ ] A — □ □ □ □ □ □

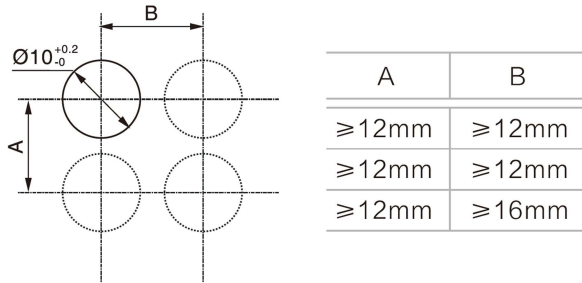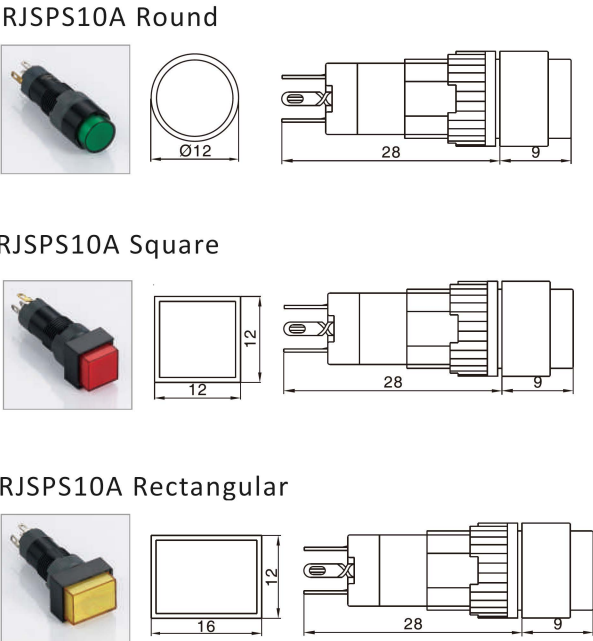| Mounting Size	Operation Style	Operation Characteristic	Contact Structure	Colour	Voltage
8mm 10mm	Momentary Latching	Round Square Rectangle Round (LED) Square (LED) Rectangle (LED)	Nil SPDT(1a+1b)	R Red G Green Y Yellow W White B Blue A Orange	24VDC 12VDC 6.3VDC 110VAC 220VAC

RJSPS10A SERIES

PUSH BUTTON SWITCH

10mm Push Button Switch

Product appearance	Operation	Illuminated type	Contact	Model	Colour	Rated Voltage
RJSPS10A Round CE	Momentary	Without LED	SPDT	RJSPS10A~ **211**	**R** Red **G** Green **Y** Yellow **W** White **B** Blue	24VDC 12VDC 6.3VDC 110VAC 220VAC
		With LED	SPDT	RJSPS10A~ **271**		
	Latching	Without LED	SPDT	RJSPS10A~ **311**		
		With LED	SPDT	RJSPS10A~ **371**		
RJSPS10A Square CE	Momentary	Without LED	SPDT	RJSPS10A~ **221**	**R** Red **G** Green **Y** Yellow **W** White **B** Blue	24VDC 12VDC 6.3VDC 110VAC 220VAC
		With LED	SPDT	RJSPS10A~ **281**		
	Latching	Without LED	SPDT	RJSPS10A~ **321**		
		With LED	SPDT	RJSPS10A~ **381**		
RJSPS10A Rectangle CE	Momentary	Without LED	SPDT	RJSPS10A~ **231**	**R** Red **G** Green **Y** Yellow **W** White **B** Blue	24VDC 12VDC 6.3VDC 110VAC 220VAC
		With LED	SPDT	RJSPS10A~ **291**		
	Latching	Without LED	SPDT	RJSPS10A~ **331**		
		With LED	SPDT	RJSPS10A~ **391**		

Installation Size

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	A	B
	≥12mm	≥12mm
	≥12mm	≥12mm
	≥12mm	≥16mm

Drawing

RJSPS10A Round

RJSPS10A Square

RJSPS10A Rectangular

Terminal Style / LED Circuit

Push Button   Terminal Style

(TOP)

NC

NO

C

−LED   LED+

LED
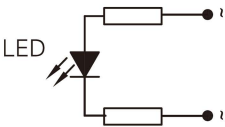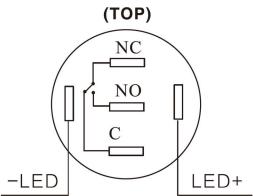
12VDC, 24VDC, 110VAC, 220VAC