

UL,C-UL File No.:E179745  
TUV File No.:R50031793/3  
CQC File No.:CQC02001002452

- Smallest size (10.6×18.2×15.5 in mm) at 10A switching capacity relay for high density P.C.board mounting technique.
- Surge resistiveness of 5000V on SJ relays.
- Sealing Construction.
- UL/C-UL&CQC&VD Erecognized.

## SPECIFICATIONS

### Contact

Arrangement	1C	
Contact material	Silver alloy	
Contact resistive (By voltage drop 1A 6VDC)	50 mΩ Max.	
UL/C-UL rating		
Resistive load (cos φ =1)	3A	250VAC
	3A	28VDC
CQC rating	3A/12A	250VAC
Resistive load		
TUV rating	3A	250VAC
	3A	28VDC
Max.switching voltage	250VAC 30VDC	
Max.switching current	3A	
Max.switching power	1,200VA	140W
Exoected life(min.ope)	Mechanical (at 120 cpm)	1X10 <sup>7</sup>
	Electrical (at 20 cpm)	1X10 <sup>5</sup>

### Characteristics

Operate time	10 msec.Max.	
Release time	5 msec.Max.	
Operating humidity	45~80%RH	
Initial breakdown voltage	Between contact and coil	2,500VAC (50/60Hz) for 1 min.
	Between open contacts	1,000VAC (50/60Hz) for 1 min.
Insulation resistance	1,00MΩ Min.(500VDC)	
Ambient temperature	-45℃ ~ +80℃	
Shock resistance	Functional	10G Min.
	Destruction	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destruction	10 TO 55 Hz at double Amplitude of 1.5mm
Unit weight	Approx. 6g	

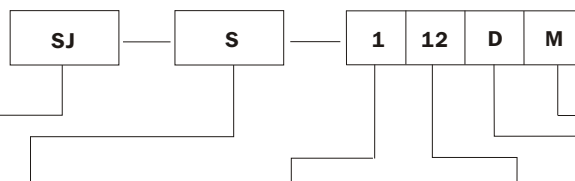
### Coil

Nominal operating power	0.45W
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## TYPICAL APPLICATION

Application domestic appliances, office machines, audio equipment, car use, etc.

## ORDERING INFORMATION



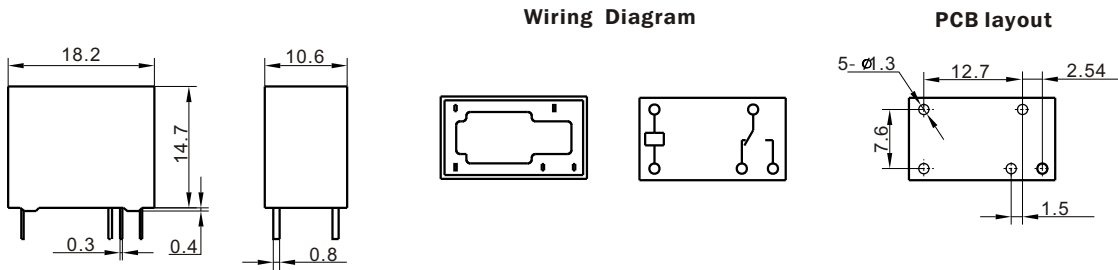
Type	Protective construction	Number of pole	Coil type	Coil sensitivity	Contact form
SJ	NIL:Flux type S:Seadled type	1:1 pole	03,05,06,09, 12,18,24	D:0.45W	Nil:1 Form C

# COIL(at 20°C)

SJ

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ( $\Omega \pm 10\%$ )	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
03	3	375.00	20	5%Min.	75%Max.	0.45	130% of nominal voltage
05	5	10.42	55				
06	6	200.00	80				
09	9	134.33	180				
12	12	100.00	320				
18	18	66.67	720				
24	24	50.00	1,280				

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)



## CHARACTERISTICS CURVE

