



UL,C-UL File No.:E179745
TUV File No.:40002146
CQC File No.:CQC02001002114

- Smallest size (10.2×18.2 ×15.2 in mm)at 5A switching.capacity relay for high density P.C.board mounting technique.
- Surge resistiveness of 5000V on SJ relays.
- Sealing Construction.

SPECIFICATIONS

Contact

Arrangement	1a, DM	1c, LM
Contact material	Silver alloy	
Contact resistive (By voltage drop 1A 6VDC)	50mΩ Max.	
VED rating Resistive load	5A 250VAC	3A 250VAC
UL/C-UL rating Resistive load (cos φ =1)	10A 120VAC 5A 250VAC 5A 28VDC	5A 120VAC 3A 250VAC 3A 28VDC
Inductive load (cos φ =0.75~0.8)	1.5A 250VAC	1A 250VAC
CQC rating	5A/20A 250VAC	3A/12A 250VAC
Max.switching voltage	265VAC	30VDC
Max.switching current	5A	3A
Max.switching power	1,200VA 140W	600VA 90W
Exoected life(min.ope)	Mechanical (at 120 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Characteristics

Item	Type	SJ-D	SJ-L
	Operate time		10 msec. Max.
Release time		4 msec.Max.	
Operating humidity		45~85% RH	
Initial breakdown voltage	Between contact and coil	4,000VAC (50/60Hz) for 1 min.	
	Between open contacts	1,000VAC (50/60Hz) for 1 min.	
Insulation resistance		100MΩ Min.(500VDC)	
Ambient temperature		-45℃ ~ +85℃	
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	
Insulation withstand Voltage		5,000V 1.2×50 μS (Between coil and contacts)	
Unit weight		Approx. 6g	

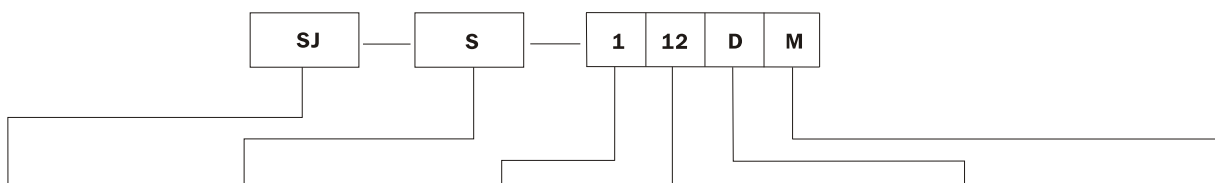
Coil

Nominal operating power	0.20W , 0.45W
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TYPICAL APPLICATION

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

ORDERING INFORMATION



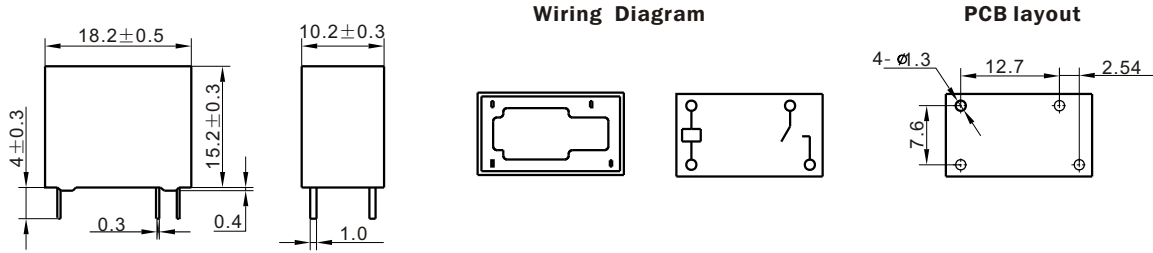
Type	Protective construction	Number of pole	Coil type	Coil sensitivity	Contact form
SJ	NIL:Flux type S:Seadled type	1:1 pole	03,05,06,09, 12,24,48	D:0.45W L:0.20W	M:1 Form A

COIL(at 20°C)

SJ-M(3,5A)

Type	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)
SJ-D	03	3	150.00	20	5%Min.	75%Max.	0.45	130% of nominal voltage
	05	5	90.91	55				
	06	6	75.00	80				
	09	9	50.00	180				
	12	12	37.50	320				
	18	18	25.00	720				
	24	24	18.75	1,280				
SJ-L	03	3	66.67	45	5%Min.	75%Max.	0.20	130% of nominal voltage
	05	5	40.00	125				
	06	6	33.33	180				
	09	9	22.22	400				
	12	12	16.67	720				
	18	18	14.81	1,620				
	24	24	8.33	2,800				

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



CHARACTERISTICS CURVE

