



UL,C-UL File NO.:E179745
CQC File NO.:CQC04001009427

- Designed for thermostat,modem,computer peripherals,video recording and security application.
- Designed for compact,high density mounting.

SPECIFICATIONS

Contact

Arrangement	1a, 1c	
Contact material	Silver alloy	
Contact resistance (1A 6VDC)	100m Ω Max.	
UL/C-UL rating	1A 120VAC 1A 30VDC	
Resistance load (cos ϕ =1)	0.5A 125VAC 1A 30VDC	
CQC rating	0.5A 125VAC	
Max.switching voltage	125VAC 30VDC	
Max.switching current	1A	
Max.switching power	125VA 30W	
Expected life(min.ope)	Mechanical (at 120 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Characteristics

Operate time	5 msec.Max.	
Release time	5 msec.Max.	
Operating humidity	45~85%RH	
Initial breakdown voltage	Between contact and coil	1,000VAC (50/60Hz) for 1 min.
	Between open contacts	500VAC (50/60Hz) for 1 min.
Insulation resistance	100M Ω Min.(500VDC)	
Ambient temperature	-40 $^{\circ}$ C ~ +80 $^{\circ}$ C	
Shock resistance	Functional	10G Min.
	Destructive	50G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destructive	10 TO 55 Hz at double Amplitude of 1.5mm
Unit weight	Approx. 3g	

Coil

Nominal operating power	0.15W, 0.20W
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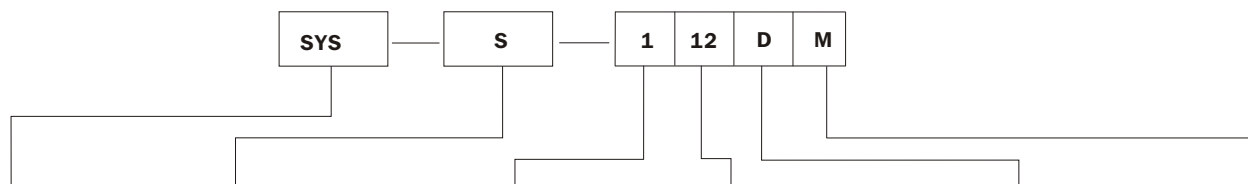
TYPICAL APPLICATIONS

1.Thermostat

2.Modem,computer peripherals

3.Video recording security application. Etc.

ORDERING INFORMATION



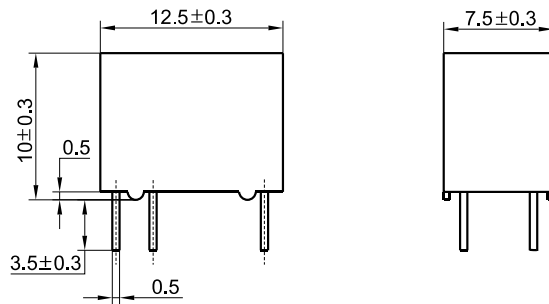
Type	Protective construction	Number of poles	COIL voltage	Coil sensitivity	Contact form
SYS	NIL:Flux type S:Sealed type	1:1 pole	02,03,05,06, 09,12,24	D:0.20W L:0.15W	M:1 Form A Nil:1 Form C

COIL(at 20°C)

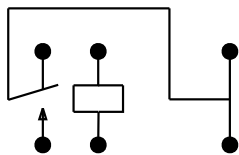
SYS

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)
SYS-L	02	2	75.19	26.6	5%Min.	75%Max.	0.15	140% of nominal voltage
	03	3	50.00	60				
	05	5	30.12	166				
	06	6	25.00	240				
	09	9	16.67	540				
	12	12	12.50	960				
	24	24	6.25	3,840				
SYS-D	02	2	100.00	20	5%Min.	75%Max.	0.20	115% of nominal voltage
	03	3	66.67	45				
	05	5	40.00	125				
	06	6	33.33	180				
	09	9	22.22	405				
	12	12	16.67	720				
	24	24	8.33	2,880				

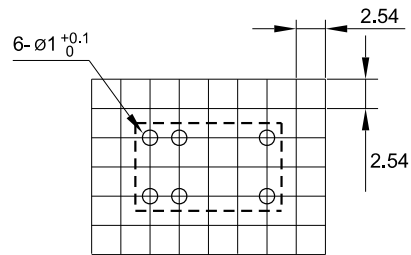
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)



Wiring Diagram

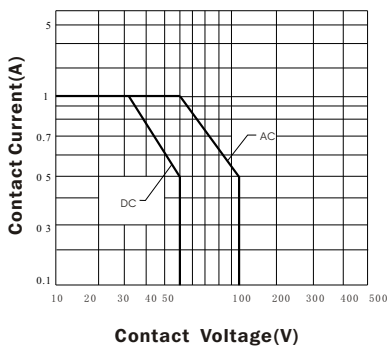


PCB layout

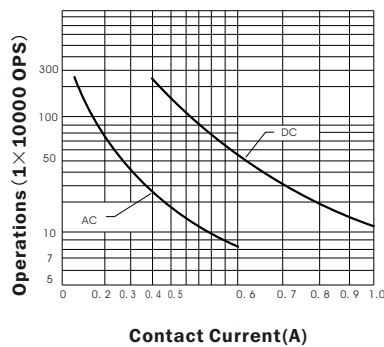


CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER



LIFE CURVE



MAX.ALLOWABLE AMBIENT TEMPERATURE CURVE

