



UL,C-UL File No.:E179745
TUV File No.:R2024452
CQC File No.:CQC02001002121

- Incorporates relay terminals separated from coil terminal, thus making it possible to design PCB patterns with ease.
- Dielectric strength of 3000V between the coil and contacts and an impulse withstand voltage of 5000V for greater safety.
- Greater range of applicability with the addition of high-capacity relays(8A) to standard relays(5A).

SPECIFICATIONS

Contact

Arrangement	1a, 1b, 1c	
Contact material	Silver alloy	
Contact resistance (1A 6VDC)	50mΩ Max.	
UL/C-UL rating		
Resistive load (cos φ =1)	8A	125VAC
	5A	250VAC
	5A	30VDC
Inductive load (cos φ =0.75~0.8)	4A	120VAC
TUV rating	5A	250VAC
	5A	30VDC
CQC rating	5A	250VAC
Max.switching current	8A	
Max.switching power	900VA	150W
Expected life(min.ope)	Mechanical (at 180 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Characteristics

Operate time	10 msec.Max.	
Release time	10 msec.Max.	
Operating humidity	45~85%RH	
Initial breakdown voltage	Between contact and coil	2,000VAC (50/60Hz) for 1 min.
	Between open contacts	1,000VAC (50/60Hz) for 1 min.
Insulation resistance	100MΩ Min.(500VDC)	
Ambient temperature	-40℃ ~ +85℃	
Shock resistance	Functional	10G Min.
	Destructive	100G 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
Insulation withstand Voltage	5,000V 1.2×50 μs (Between coil and contacts)	
Unit weight	Approx. 9.5g	

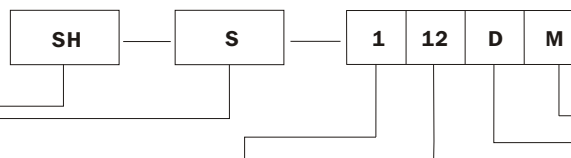
Coil

Nominal operating power	0.36W
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TYPICAL APPLICATIONS

1. Programmable controller.
2. Automotive.
3. Garage door opener.
4. Personal computer.
5. Home appliances: Oven, range, dryer, heater, air conditioner etc.

ORDERING INFORMATION



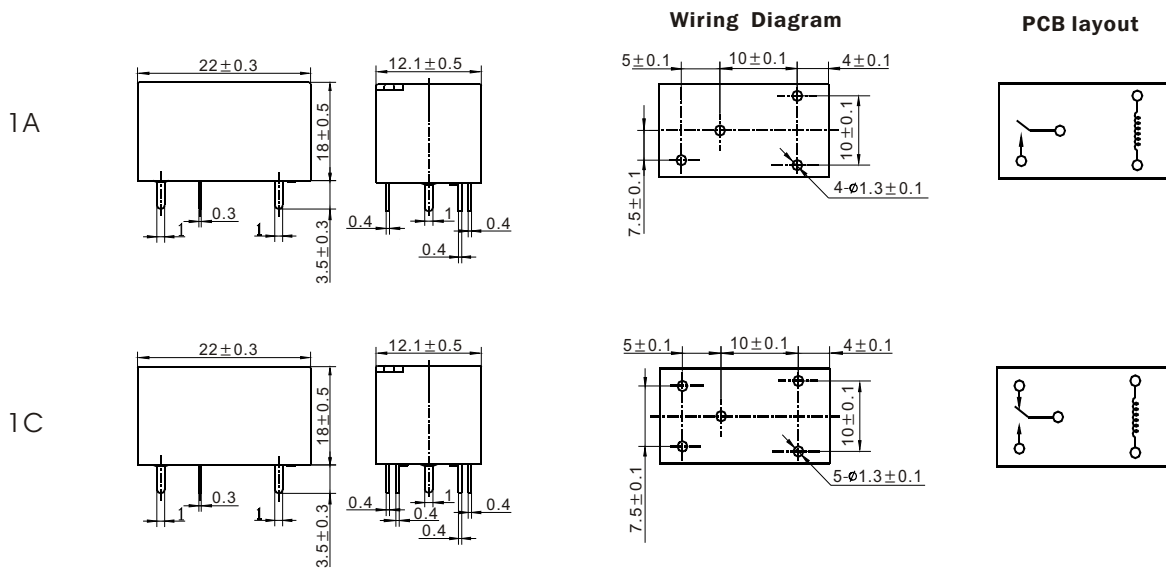
Type	Protective construction	Number of poles	Coil voltage	Coil sensitivity	Contact form
SH	NIL:Flux type S:Sealed type	1:1 pole	05,06,09,12, 18,24,48	D:0.36W	M:1 Form A B:1 Form B Nil:1 Form C

COIL(at 20°C)

SH

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)
05	5	71.43	70	5%Min.	75%Max.	0.36	130% of nominal voltage
06	6	60.00	100				
09	9	40.00	225				
12	12	30.00	400				
18	18	20.00	900				
24	24	15.00	1,600				
48	48	7.50	6,400				

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



CHARACTERISTICS CURVE

