



»» Features

- Miniature PCB surge cube relay.
- High rating 10A/250VAC/30VDC & TV-8 w/cadmium free contacts.
- Reverse contact terminal position version is available.
- Optional for sealed flux free & sealed washable types.

»» Type List

Terminal style	Contact form	UL Insulation system approval	Designation (provided with)		
			Flux tight	Sealed type	Sealed type washable
PCB terminal	1C (SPDT)	-----	801H-1C-C	801H-1C-V	801H-1C-S
		F	801H-1C-C FXXVDC	801H-1C-V FXXVDC	801H-1C-S FXXVDC
	1A (SPNO)	-----	801H-1A-C	801H-1A-V	801H-1A-S
		F	801H-1A-C FXXVDC	801H-1A-V FXXVDC	801H-1A-S FXXVDC
	1B (SPNC)	-----	801H-1B-C	801H-1B-V	801H-1B-S
		F	801H-1B-C FXXVDC	801H-1B-V FXXVDC	801H-1B-S FXXVDC

»» Ordering Information

$\frac{801}{1}$ $\frac{H}{2}$ - $\frac{1A}{3}$ - $\frac{C}{4}$ $\frac{FXXVDC}{5}$

- | | | | |
|--------|--------------------------------|----------|-------------------------|
| 1. 801 | -- Basic series designation | 4. C | -- Flux tight |
| 2. H | -- High power type | V | -- Sealed type |
| | | S | -- Sealed type washable |
| 3. 1A | -- Single pole normally open | 5. Blank | -- Standard type |
| 1B | -- Single pole normally closed | F | -- Class F |
| 1C | -- Single pole double throw | | |

»» Contact Rating

Resistive load	12A 125VAC (*)
	10A 250VAC , 10A 30VDC

»» Coil Rating (DC)

Rated voltage (V)	Rated current ±10 % at 23° C (mA)	Coil resistance ±10 % at 23° C (Ω)	Max. continuous voltage at 85° C	Pick up voltage(Max) at 23° C	Drop out voltage(Min) at 23° C	Power consumption at rated voltage
5	73	69	160 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.36W
6	60	100				
9	40	225				
12	30	400				
24	15	1600				
48	7.5	6400				
60	6	10000				

»» Specification

Contact material	AgSnO alloy	
Contact resistance ⁽¹⁾	50 mΩ Max.	
Operate time ⁽¹⁾	15 ms Max.	
Release time ⁽¹⁾	5 ms Max.	
Insulation resistance ⁽¹⁾	100 MΩ Min. (DC 500V)	
Dielectric strength ⁽¹⁾	Between open contact	: AC 750V , 50/60Hz 1 min.
	Between contact and coil	: AC 1500V , 50/60Hz 1 min.
Vibration resistance	Operating extremes	10 ~ 50Hz , amplitude 1.0 mm
	Damage limits	10 ~ 50Hz , amplitude 1.0 mm
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (※50,000 operations) (frequency 1,200 operations/hr)
Operating ambient temperature	-40 ~ +85° C (no freezing)	
Weight	Approx. 16 g	

Note : (1) initial value

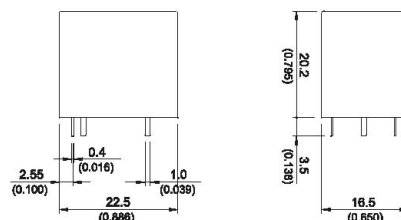
»» Safety Approval

Certified	UL/CUL	CSA	TUV
File No.	E88991	LR90143	R09352399

»» Safety Approval Rating

UL/CUL	CSA	TUV
15A 125VAC	15A 125VAC	10A 250VAC
10A 250VAC	10A 250VAC	12A 125VAC
10A 30VDC	10A 30VDC	10A 30VDC
1/2HP 125/250VAC	1/2HP 125/250VAC	
TV-3	TV-3	
TV-8 (for 1A)	TV-8 (for 1A)	

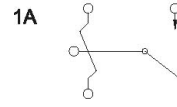
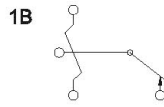
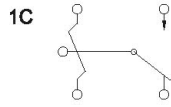
»» Outline Dimensions



801H

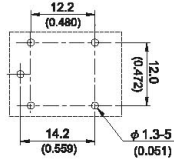
»» Wiring Diagram

BOTTOM VIEW



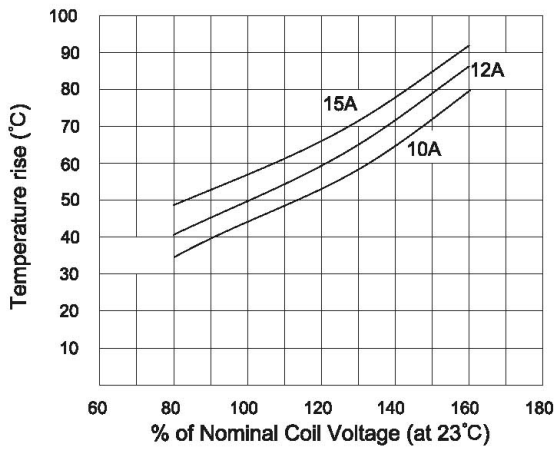
»» PC BOARD LAYOUT

BOTTOM VIEW

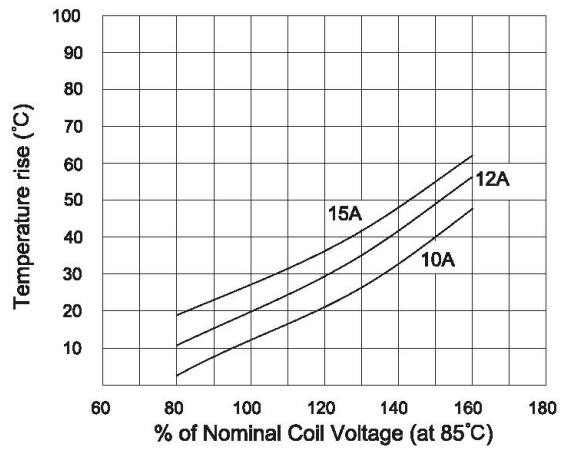


»» Engineering Data

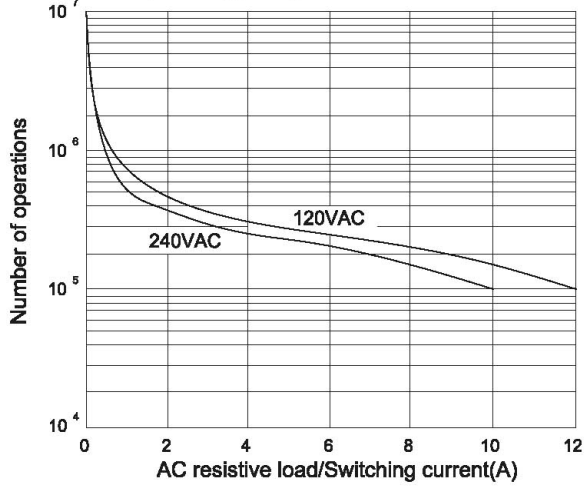
Coil temperature rise



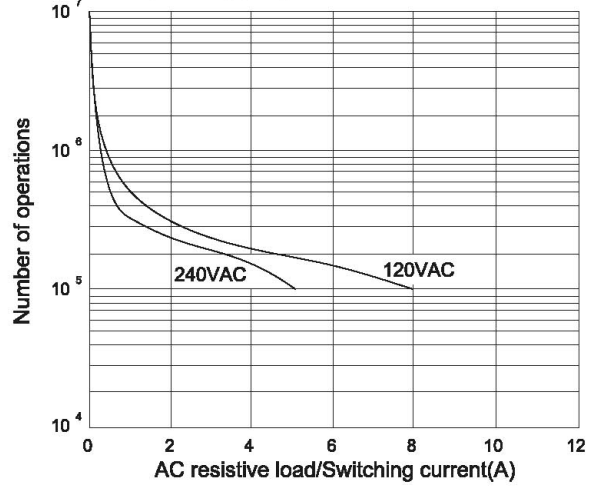
Coil temperature rise



Life expectancy(801H)



Life expectancy(801)



Operate time/Release time

