

801H



»» Features

- Miniature PCB sugar cube relay.
- High rating 10A/250VAC/30VDC & TV-8.
- Reverse contact terminal position version is available.
- Optional for sealed flux free & sealed washable types.
- Complies with RoHS-Directive 2011/65/EU.

»» 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

»» Ordering Information

801 H - 1A - C XXVDC
 1 2 3 4 5 6

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|------------------------------------|--|
| 1. 801 -- Basic series designation | S -- Sealed type washable |
| 2. H -- High power type | 5. Blank -- Standard type |
| 3. 1A -- Single pole normally open | F -- Class F |
| 1B -- Single pole normally closed | |
| 1C -- Single pole double throw | 6. XXVDC -- Coil voltage (please refer to the coil rating data for the availability) |
| 4. C -- Flux tight | |
| V -- Sealed type | |

»» Contact Rating

Resistive load	12A 125VAC ^(*) ; 10A 250VAC ; 10A 30VDC
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»» 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
3	120	25	160 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.36W
5	73	69				
6	60	100				
9	40	225				
12	30	400				
18	20	900				
24	15	1600				
48	7.5	6400				
60	6	10000				

»» Specification

Contact material	AgSnO alloy	
Contact resistance ⁽¹⁾	50mΩ Max. (at 1A/6VDC by 4-wire resistance measurement)	
Operate time ⁽¹⁾	15ms Max.	
Release time ⁽¹⁾	5ms 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. Operate and release time excluding contact bounce.

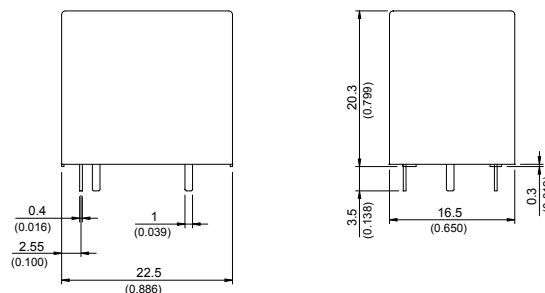
»» Safety Approval

Certified	UL / CUL	CSA	TUV
File No.	E88991	1474287	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)	

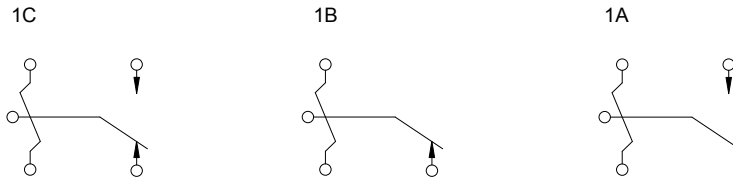
»» Outline Dimensions



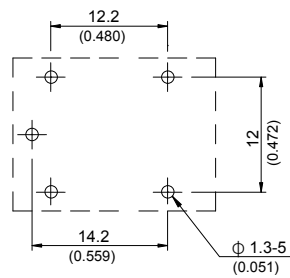
TOLERANCE:
 LESS THAN: 1(0.039) ±0.1(0.004)
 5(0.197) ±0.3(0.012)
 20(0.787) ±0.5(0.020)
 MORE THAN: 20(0.787) ±1(0.039)

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»» Wiring Diagram BOTTOM VIEW



»» PC Board Layout BOTTOM VIEW



»» Engineering Data

