



»» Features

- Flat pack miniature relays.
- Low profile 10.8mm height.
- High ratings: 12A 125VAC, 10A 277VAC/30VDC, TV-5, 1/4HP 125/250VAC.
- High dielectric strength 2500V between coil and contact and 1000V between contacts.
- UL, CSA, TUV approved.
- Complies with RoSH-Directive 2011/65/EU.

»» Type List

Terminal style	Contact form	Insulation system	Designation (provided with)		
			Flux tight	Sealed type	Sealed type washable
PCB terminal	1A (SPNO)	-----	834-1A-C	834-1A-V	834-1A-S
		F	834-1A-F-C	834-1A-F-V	834-1A-F-S

»» Ordering Information

834 - 1A - - C

1 2 3 4 5

1. 834 -- Basic series designation
2. 1A -- Single pole normally open
3. Blank -- Standard type
F -- Class F

4. C -- Flux tight
V -- Sealed type
S -- Sealed type washable
5. -- Coil voltage (please refer to the coil rating data for the availability)

»» Contact Rating

Resistive load	10A/125VAC , 8A/277VAC , 10A/30VDC 12A/125VAC ^(*) , 10A/250VAC ^(*)
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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	150	20	160 % of rated voltage	75 % of rated voltage	5 % of rated voltage	approx. 0.45W
5	90.9	55				
6	75	80				
9	50	180				
12	37.5	320				
18	25	720				
24	18.8	1280				

»» Specification

Contact material	AgSnO alloy	
Contact resistance ⁽¹⁾	100mΩ Max. (at 1A/6VDC by 4-wire resistance measurement)	
Operate time ⁽¹⁾	10ms Max.	
Release time ⁽¹⁾	5ms Max.	
Insulation resistance ⁽¹⁾	100MΩ Min. (DC 500V)	
Dielectric strength ⁽¹⁾	Between open contact	: AC 1000V , 50/60Hz 1 min.
	Between contact and coil	: AC 2500V , 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 (※ 30,000 operations) (frequency 1,200 operations/hr)
Operating ambient temperature	-30~+85°C (no freezing)	
Weight	Approx. 6g	

Note : (1) Initial value. Operate and release time excluding contact bounce.

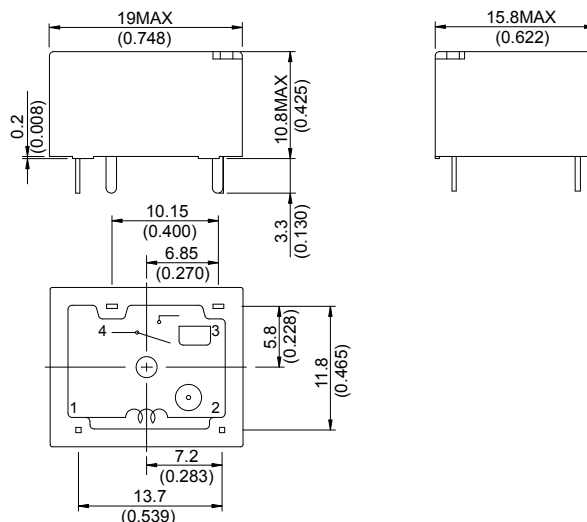
»» Safety Approval

Certified	UL	CSA	TUV
File No.	E88991	1474286	R9552452

»» Safety Approval Rating

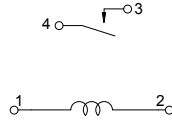
UL	CSA	TUV
12A 125VAC	12A 125VAC	12A 125VAC
10A 277VAC	10A 277VAC	10A 277VAC
10A 30VDC	10A 30VDC	10A 30VDC
TV-5	TV-5	
1/4HP 125VAC/250VAC	1/4HP 125VAC/250VAC	

»» Outline Dimensions

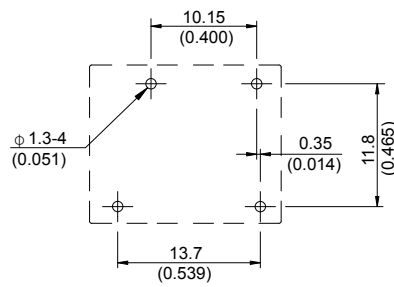


TOLERANCE:
 LESS THAN: 1(0.039) ±0.1(0.004)
 5(0.197) ±0.3(0.012)
 20(0.787) ±0.5(0.020)
 MORE THAN: 20(0.787) ±1(0.039)

»» Wiring Diagram BOTTOM VIEW



»» PC Board Layout BOTTOM VIEW



»» Engineering Data

