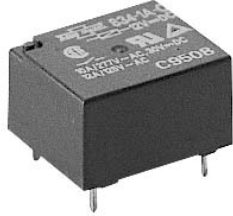


834



»» 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.
- Comply with RoSH-Directive 2002/95/EC.

»» Type List

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

»» Ordering Information

834 - 1A - F - C
1 2 3 4

- | | |
|------------------------------------|---------------------------|
| 1. 834 -- Basic series designation | F -- Class F |
| 2. 1A -- Single pole normally open | 4. C -- Flux tight |
| | V -- Sealed type |
| 3. Blank -- Standard type | S -- Sealed type washable |

»» 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.	
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

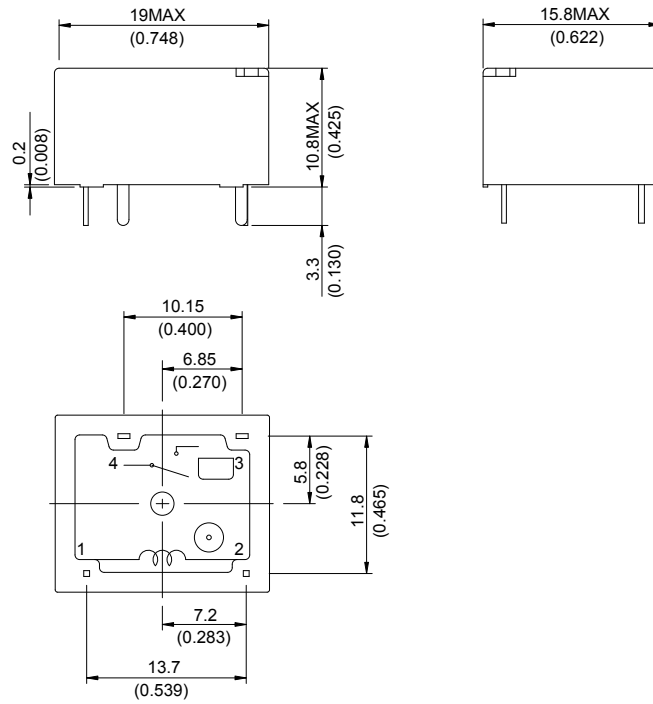
>>> Safety Approval

Certified	UL	CSA	TUV
File No.	E88991	1474286	R9552452

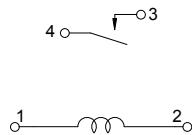
>>> Safety Approval Rating

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	

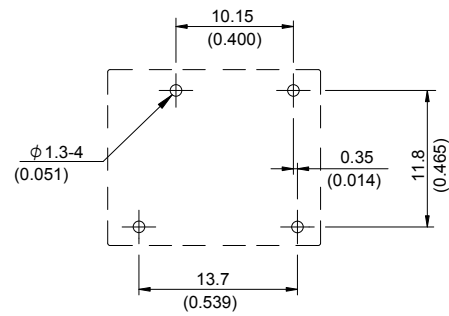
»» Outline Dimensions



»» Wiring Diagram BOTTOM VIEW



»» PC Board Layout BOTTOM VIEW



»» Engineering Data

