33H & cAlus



>>> Features

- ☐ Miniature PCB bady sugar cube relay. ☐ General purpose application. TV5 NO Rated.
- ☐ 10A 277VAC, 15A 125VAC ratings.
- $\hfill \square$ SPNO, SPNC, SPDT and sealed flux free & sealed type washable are available.
- ☐ Comply with RoHS-Directive 2002/95/EC.

>>> Type List

Terminal	Contact	UL Insulation	Designation (provided with)		
style			Flux tight	Sealed type	Sealed type washable
PCB terminal	1A (SPNO)		833H-1A-C	833H-1A-V	833H-1A-S
		F	833H-1A-F-C	833H-1A-F-V	833H-1A-F-S
	1C (SPDT)		833H-1C-C	833H-1C-V	833H-1C-S
		F	833H-1C-F-C	833H-1C-F-V	833H-1C-F-S

>>> Ordering Information

833H 1A F C 1 2 3 4

1.833H -- Basic series designation

3. Blank -- Standard type

F -- Class F

4. C

-- Single pole normally open 2. 1A

1B -- Single pole normally closed

1C -- Single pole double throw -- Flux tight

-- Sealed type V

S -- Sealed type washable

>>> Contact Rating

Resistive load	NO:10A 125VAC, 7A 250VAC, 7A 30VDC ; NC:7A 250VAC
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>>> Coil Rating (DC)

Rated	Rated current	Coil resistance	Max. continuous	Pick up	Drop out	Power consumption
voltage	±10 % at 23°C	±10 % at 23°C	voltage	voltage(Max)	voltage(Min)	at rated
(V)	(mA)	(Ω)	at 70°C	at 23°C	at 23°C	voltage
3	120	25				
4	91	44				
5	72	70				
6	60	100	150 % of	75 % of	10 % of	0.2014
9	40	225	rated	rated	rated	approx. 0.36W
12	30	400	voltage	voltage	voltage	
24	15	1600				
36	10	3600				
48	9.4	5120				approx. 0.45W



>>> Specification

Contact material	AgSnO alloy			
Contact resistance (1)	100m Ω Max.			
Operate time (1)	10ms Max.			
Release time (1)	5ms Max.			
Insulation resistance (1)	100M Ω Min. (DC 500V)			
Dielectric strength (1)	Between open contact : AC 750V , 50/60Hz 1 min.			
Dielectric strength	Between contact and coil : AC 1500V , 50/60Hz 1 min.			
Vibration resistance	Operating extremes	10∼50Hz , amplitude 1.5 mm		
Vibration resistance	Damage limits	10∼50Hz , amplitude 1.5 mm		
Shock resistance	Operating extremes	10G		
Shock resistance	Damage limits	100G		
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)		
Life expectancy	Electrical	100,000 operations (frequency 1,200 operations/hr)		
Operating ambient temperature	-30~+70°C (no freezing) ⁽²⁾			
Weight	Approx. 10 g			

Note: (1) initial value

(2) -30 \sim + 85 $^{\circ}\text{C}$ is available.

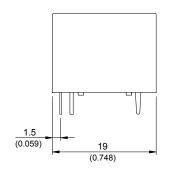
>>> Safety Approval

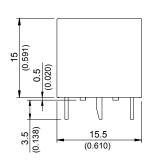
Certified	UL / CUL	TUV
File No.	E88991	R3-09754206

>>> Safety Approval Rating

UL / CUL	TUV
15A 125VAC	12A 125VAC
10A 277VAC	7A 250VAC
7A 30VDC	7A 30 VDC
1/4HP 125/250VAC	4A 250VAC cosφ0.3
1/3HP 125/250VAC	

>>> Outline Dimensions





833H

>>> Wiring Diagram

1C



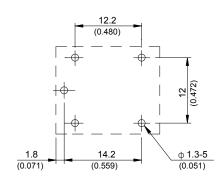
1B



1A



>>> PC Board Layout BOTTOM VIEW



>>> Engineering Data

