Features

- ☐ 10mm slim miniature PCB Power Relay.
- ☐ UL/CUL、CSA/CUS、TUV、VDE approved.
- ☐ High CTI 250 material (VDE and E version).
- ☐ High sensitivity：200 mW & 400mW.
- ☐ High surge voltage 8,000 V between contacts and coil (1.2×50μs).
- ☐ Comply with RoHS-Directive 2011/65/EU.

Type List

◆Standard Type

Terminal style	Contact form	UL Insulation system approval	Designation (provided with)		
			Flux tight	Sealed type	Sealed type washable
PCB terminal	1A (SPNO)	----------	892-1AC-C	892-1AC-V	892-1AC-S
		F	892-1AC-F-C	892-1AC-F-V	892-1AC-F-S
		----------	892-1AH-C	892-1AH-V	892-1AH-S
		F	892-1AH-F-C	892-1AH-F-V	892-1AH-F-S
	1C (SPDT)	----------	892-1CC-C	892-1CC-V	892-1CC-S
		F	892-1CC-F-C	892-1CC-F-V	892-1CC-F-S
		----------	892-1CH-C	892-1CH-V	892-1CH-S
		F	892-1CH-F-C	892-1CH-F-V	892-1CH-F-S

◆High Power Type

PCB terminal	1A (SPNO)	----------	892H-1AC-C	892H-1AC-V	892H-1AC-S
		F	892H-1AC-F-C	892H-1AC-F-V	892H-1AC-F-S
		----------	892H-1AH-C	892H-1AH-V	892H-1AH-S
		F	892H-1AH-F-C	892H-1AH-F-V	892H-1AH-F-S
	1C (SPDT)	----------	892H-1CC-C	892H-1CC-V	892H-1CC-S
		F	892H-1CC-F-C	892H-1CC-F-V	892H-1CC-F-S
		----------	892H-1CH-C	892H-1CH-V	892H-1CH-S
		F	892H-1CH-F-C	892H-1CH-F-V	892H-1CH-F-S

◆High Sensitivity Type

PCB terminal	1A (SPNO)	----------	892N-1AC-C	892N-1AC-V	892N-1AC-S
		F	892N-1AC-F-C	892N-1AC-F-V	892N-1AC-F-S
		----------	892N-1AH-C	892N-1AH-V	892N-1AH-S
		F	892N-1AH-F-C	892N-1AH-F-V	892N-1AH-F-S
	1C (SPDT)	----------	892N-1CC-C	892N-1CC-V	892N-1CC-S
		F	892N-1CC-F-C	892N-1CC-F-V	892N-1CC-F-S
		----------	892N-1CH-C	892N-1CH-V	892N-1CH-S
		F	892N-1CH-F-C	892N-1CH-F-V	892N-1CH-F-S

Ordering Information

892 □ □ - 1AC - □ - C □ □

1 2 3 4 5 6 7 8

1. 892 -- Basic series designation

2. Blank -- Standard type
   H -- High power type

3. Blank -- Standard type
   N -- High sensitivity type

4. 1AC -- Single pole normally open、Contact material AgNi
   1BC -- Single pole normally closed、Contact material AgNi
   1CC -- Single pole double throw、Contact material AgNi
   1AH -- Single pole normally open、Contact material AgSnO
   1BH -- Single pole normally closed、Contact material AgSnO
   1CH -- Single pole double throw、Contact material AgSnO

5. Blank -- Standard type
   F -- Class F

6. C -- Flux tight
   V -- Sealed type
   S -- Sealed type washable

7. Blank -- Standard type
   E -- CTI 250V

8. □ -- Coil voltage (please refer to the coil rating data for the availability)

Contact Rating

Type	892	892H
Resistive load	NO / NC：5A/3A 240VAC NO / NC：7A/3A 120VAC	NO / NC：10A/5A 120VAC (50,000 ops.) NO / NC：7A/5A 240VAC
Max. switching current	NO / NC：7A/3A	NO / NC：10A/5A
Max. switching voltage	277VAC	277VAC
Max. switching capacity	NO / NC：1200VA/720VA	NO / NC：1680VA/1200VA

Coil Rating (DC)

◆Standard Type

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	133.3	22.5	160 % of rated voltage	80 % of rated voltage (H type only) 75 % of rated voltage	5 % of rated voltage	approx. 0.4W
5	80	62.5				
6	66.7	90				
9	44.4	202.5				
12	33.3	360				
18	22.2	810				
24	16.7	1440				
36	11.1	3240				
48	8.3	5760				
60	6.7	9000				

◆High Sensitivity Type

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	66.7	45	170 % of rated voltage	80 % of rated voltage (HN type or 1C type only) 75 % of rated voltage	5 % of rated voltage	approx. 0.2W
5	40.0	125				
6	33.3	180				
9	22.2	405				
12	16.7	720				
18	11.1	1620				
24	8.3	2880				
36	5.6	6480				

Specification

Contact material	AgNi / AgSnO alloy	
Contact resistance (1)	100mΩ Max. (1A/6VDC by 4 pipes mΩ meter)	
Operate time (1)	10ms Max.	
Release time (1)	5ms Max.	
Insulation resistance (1)	1000MΩ Min. (DC 500V)	
Dielectric strength (1)	Between open contact : AC 1000V , 50/60Hz 1 min.	
	Between contact and coil : AC 4000V , 50/60Hz 1 min.	
Vibration resistance	Operating extremes	10～55Hz , amplitude 1.5 mm
	Damage limit	10～55Hz , amplitude 1.5 mm
Shock resistance	Operating extremes	30G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (frequency 900 operations/hr)
Operating ambient temperature	-40°C～+85°C (no freezing)	
Weight	Approx. 8g	

Note：(1) initial value

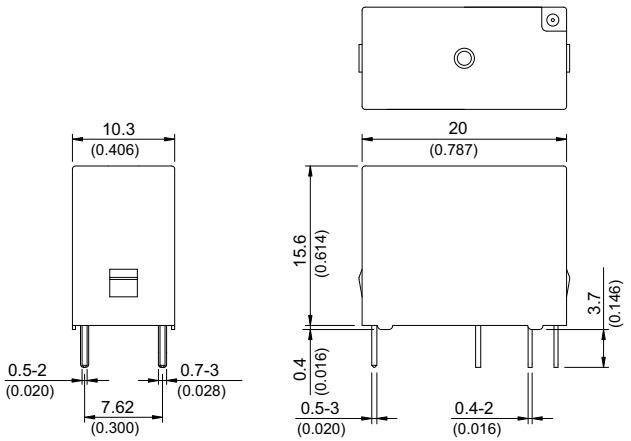
Safety Approval

Certified	CSA / CUS	TUV	VDE	UL / CUL
File No.	1245129	R 50006512	40006318	E88991

Safety Approval Rating

CSA / CUS		TUV	
892	892H	892	892H
NO：7A 125VAC 5A 277VAC NC：3A 125VAC 3A 277VAC	NO：10A 125VAC 7A 277VAC TV-3 NC：5A 125VAC 5A 277VAC	NO：7A 120VAC 5A 240VAC NC：3A 120VAC 3A 240VAC	NO：10A 120VAC 7A 240VAC NC：5A 120VAC 5A 240VAC
VDE		UL /CUL	
892	892H	892	892H
NO：5A 250VAC T85 NC：3A 250VAC T85	NO：7A 250VAC T85 NC：5A 250VAC T85	NO：7A 125VAC 5A 277VAC 1/10HP 125VAC 1/6HP 277VAC NC：3A 125VAC 3A 277VAC	NO：10A 125VAC 7A 277VAC NC：5A 125VAC 5A 277VAC NO/NC：4FLA/4LRA 120VAC

Outline Dimensions



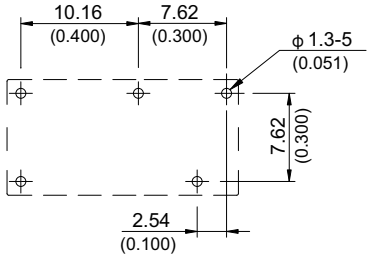
Wiring Diagram

BOTTOM VIEW

1C 1A

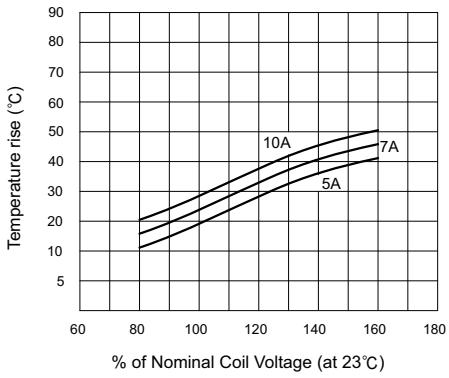
PC Board Layout

BOTTOM VIEW

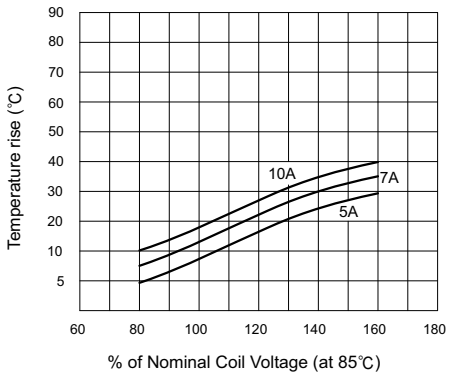


Engineering Data

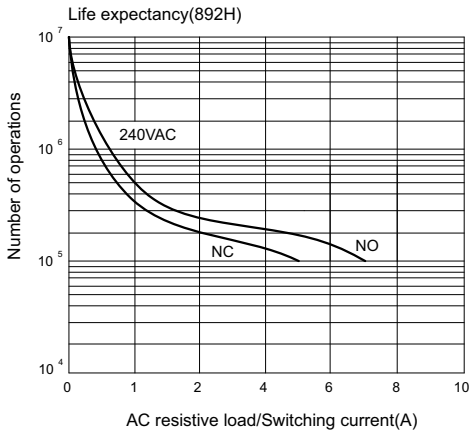
Coil temperature rise



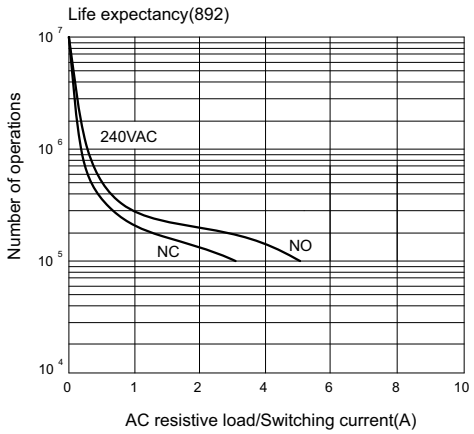
Coil temperature rise



Life expectancy(892H)



Life expectancy(892)



Operate time/Release time