

»» Features



- 5mm slim type miniature PCB power relay.
- High rating 8A 277VAC.
- UL/CUL, VDE approved.
- High dielectric strength 4000VAC.
- Special design for interface application and home appliances.

»» Type List

◆ STANDARD TYPE

Terminal style	Contact form	Designation (provided with)		
		Flux tight	Sealed type	Sealed type washable
PCB terminal	1A (SPNO)	882-1AH-C	882-1AH-V	882-1AH-S
		882-1AHA-C	882-1AHA-V	882-1AHA-S
	1C (SPDT)	882-1CH-C	882-1CH-V	882-1CH-S
		882-1CHA-C	882-1CHA-V	882-1CHA-S

◆ HIGH SENSITIVITY

PCB terminal	1A (SPNO)	882N-1AH-C	882N-1AH-V	882N-1AH-S
		882N-1AHA-C	882N-1AHA-V	882N-1AHA-S
	1C (SPDT)	882N-1CH-C	882N-1CH-V	882N-1CH-S
		882N-1CHA-C	882N-1CHA-V	882N-1CHA-S

»» Ordering Information

882 N - 1C H - F - C
 1 2 3 4 5 6

- | | |
|--|---|
| <p>1. 882 -- Basic series designation</p> <p>2. Blank -- Standard type
N -- High sensitivity type</p> <p>3. 1A -- Single pole normally open
1C -- Single pole double throw</p> | <p>4. H -- Contact material AgSnO
HA -- Contact material AgSnO+ Au</p> <p>5. Blank -- Standard type
F -- Class F</p> <p>6. C -- Flux tight
V -- Sealed type
S -- Sealed type washable</p> |
|--|---|

»» Contact Rating

Resistive load	NC : 6A 240VAC
	NO : 8A 240VAC
	NC / NO : 6A/6A 240VAC

»» Coil Rating (DC) (Standard type)

Rated voltage (V)	Rated current $\pm 10\%$ at 23° C (mA)	Coil resistance $\pm 10\%$ 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	69.8	43	160 % of rated voltage	75 % of rated voltage	5 % of rated voltage	approx. 0.21W
4.5	46.6	96				
5	42	119				
9	23.3	386				
12	17.5	686				
18	11.7	1,543				
24	8.7	2,743				
48	4.4	10,971				
60	3.5	17,143				

»» Coil Rating (DC) (High sensitivity type)

Rated voltage (V)	Rated current $\pm 10\%$ at 23° C (mA)	Coil resistance $\pm 10\%$ 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	56.6	53	160 % of rated voltage	75 % of rated voltage	5 % of rated voltage	approx. 0.17W
4.5	37.7	119				
5	34	147				
9	18.8	480				
12	14.2	847				
18	9.5	1,906				
24	7.1	3,388				

»» Specification

Contact material	AgSnO alloy	
Contact resistance ⁽¹⁾	100 m Ω Max.	
Operate time ⁽¹⁾	10 ms Max.	
Release time ⁽¹⁾	5 ms Max.	
Insulation resistance ⁽¹⁾	100 M Ω Min. (DC 500V)	
Dielectric strength ⁽¹⁾	Between open contact	: AC 1000V , 50/60Hz 1 min (typ.)
	Between contact and coil	: AC 4000V , 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	30,000,000 operations (frequency 72,000 operations/hr)
	Electrical	10,000 operations (frequency 360 operations/hr)
Operating ambient temperature	-40 ~ +85° C (no freezing)	
Weight	Approx. 6 g	

Note : (1) initial value

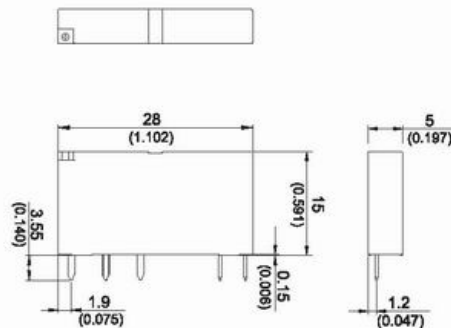
»» Safety Approval

Certified	UL / CUL	VDE
File No.	E225821	40000971

»» Safety Approval Rating

UL / CUL	VDE
NO: 8A 277VAC / 6A 24VDC R300 / B300 NC: 6A 277VAC / 6A 24VDC R300 / B300	NO: 8A 250VAC T85 NC: 6A 250VAC T85

»» Outline Dimensions



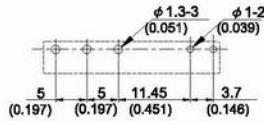
»» Wiring Diagram

BOTTOM VIEW



»» PC BOARD LAYOUT

BOTTOM VIEW



»» Engineering Data

