



### »» Features

- Low current and low profile miniature PCB Relay.
- Fine Ag contacts with rating 1A to 3A.
- UL/CUL approval.
- Sealed flux free and sealed washable types are available.
- Comply with RoHS-Directive 2011/65/EU.

### »» Type List

Terminal style	Contact form	Terminal layout	Designation	
			Flux tight	Sealed type washable
PCB terminal	1A (SPNO)	General	842-1A-C	842-1A-S
		Different	842A-1A-C	842A-1A-S
	1C (SPDT)	General	842-1C-C	842A-1C-S
		Different	842A-1C-C	842-1C-S

### »» Ordering Information

842   A - 1C - C - XXVDC  
 1      2      3      4      5

- |          |                              |          |   |
|----------|------------------------------|----------|---|
| 1. 842   | -- Basic series designation  | 1B       | -- Single pole normally closed  |
| 2. Blank | -- Standard type             | 1C       | -- Single pole double throw   |
| A        | -- Different terminal layout | 4. C     | -- Flux tight normally closed   |
| 3. 1A    | -- Single pole normally open | S        | -- Sealed type washable   |
|          |                              | 5. XXVDC | -- Coil voltage (please refer to the coil rating data for the availability) |

### »» Contact Rating

Resistive load	3A 125VAC , 3A 28VDC 1A 125VAC , 1A 28VDC (**)
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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 75°C	Pick up voltage(Max) at 23°C	Drop out voltage(Min) at 23°C	Power consumption at rated voltage
3	66.7	45	160% of rated voltage	75% of rated voltage	10% of rated voltage	approx. 0.2W
5	44.7	120				
6	33.3	180				
9	22.5	400				
12	17.1	700				
24	8.6	2,800				



# 842

## »» Specification

Contact material	AgNi alloy	
Contact resistance <sup>(1)</sup>	100mΩ Max.	
Operate time <sup>(1)</sup>	10ms Max.	
Release time <sup>(1)</sup>	5ms Max.	
Insulation resistance <sup>(1)</sup>	100MΩ Min. (DC 500V)	
Dielectric strength <sup>(1)</sup>	Between open contact	: AC500V, 50/60Hz 1 min.
	Between contact and coil	842 : AC 500V, 50/60Hz 1 min. 842A: AC 1000V, 50/60Hz 1 min.
Vibration resistance	Operating extremes	10~ 50Hz, amplitude 1.5 mm
	Damage limits	10~50Hz, amplitude 1.5 mm
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	30,000 operations (※ 300,000 operations) (frequency 1,800 operations/hr)
Operating ambient temperature	-25~+75°C	
Weight	Approx. 4g	

Note : (1) initial value

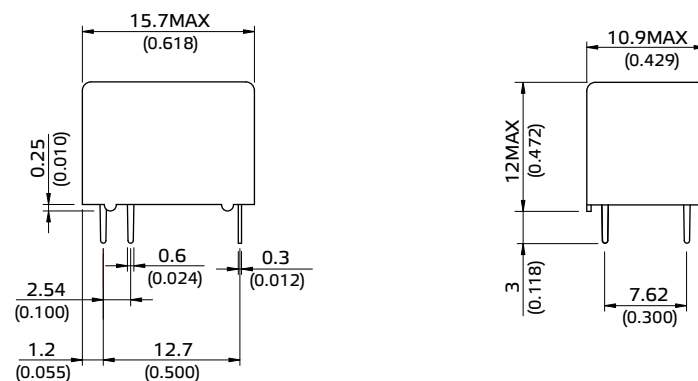
## »» Safety Approval

Certified	UL / CUL
File No.	E74321

## »» Safety Approval rating

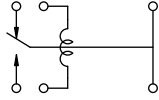
UL / CUL
3A 125VAC/30VDC

## »» Outline Dimensions

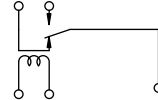


»» Wiring Diagram  
BOTTOM VIEW

◆842

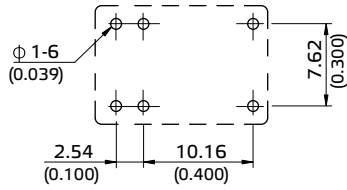


◆842A

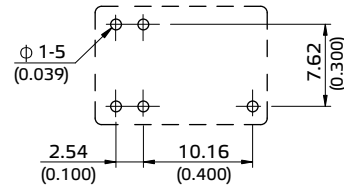


»» PC Board Layout  
BOTTOM VIEW

◆842



◆842A



»» Engineering Data

