



»» 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	Sealed type washable
PCB terminal	1A (SPNO)	General	842-1A-C	842-1A-V	842-1A-S
		Different	842A-1A-C	842A-1A-V	842A-1A-S
	1C (SPDT)	General	842-1C-C	842-1C-V	842-1C-S
		Different	842A-1C-C	842A-1C-V	842A-1C-S

»» Ordering Information

842 - 1C - C
 1 2 3 4 5

1. 842 -- Basic series designation

2. Blank -- Standard type
 A -- Different terminal layout

3. 1A -- Single pole normally open
 1B -- Single pole normally closed
 1C -- Single pole double throw

4. C -- Flux tight

V -- Sealed type

S -- Sealed type washable

5. -- 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				

»» Specification

Contact material	AgNi 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⁾	100MΩ Min. (DC 500V)	
Dielectric strength ⁽¹⁾	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

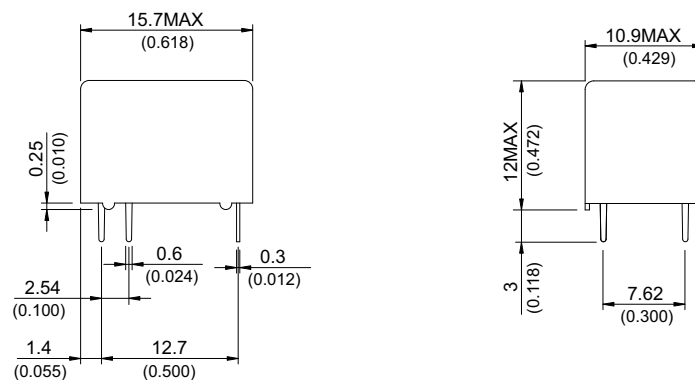
»» Safety Approval

Certified	UL / CUL
File No.	E74321

»» Safety Approval rating

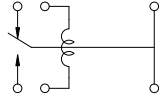
UL / CUL
3A 125VAC/30VDC

»» Outline Dimensions

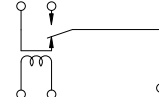


Wiring Diagram BOTTOM VIEW

◆842

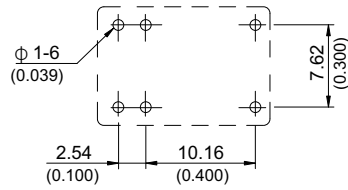


◆842A

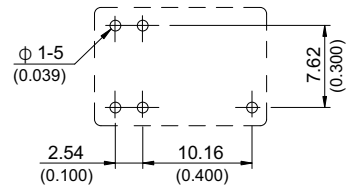


PC Board Layout BOTTOM VIEW

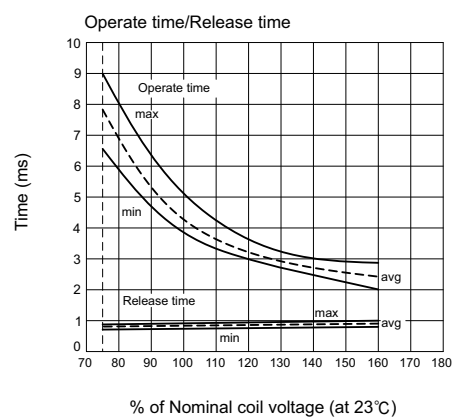
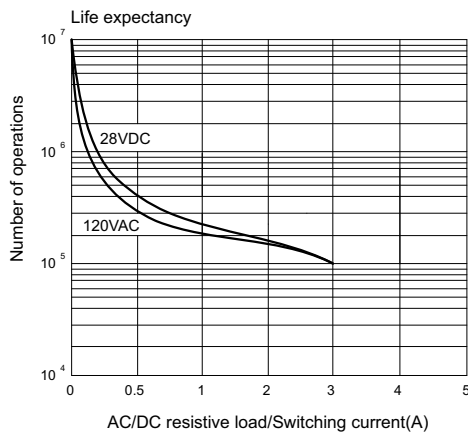
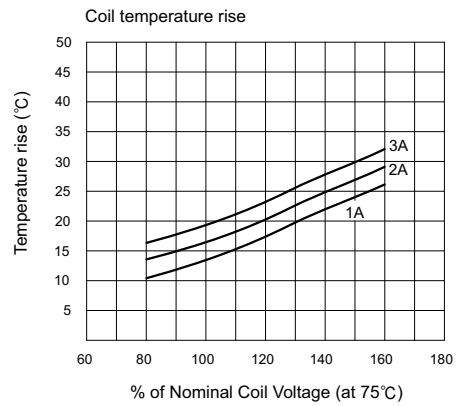
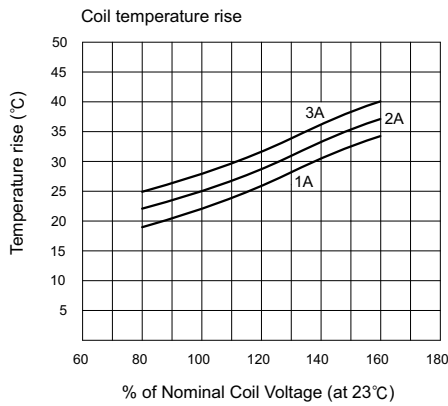
◆842



◆842A



Engineering Data



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[842A-1C-S-24VDC](#) [842A-1C-S-12VDC](#) [842-1C-S-12VDC](#) [842A-1C-S-5VDC](#)