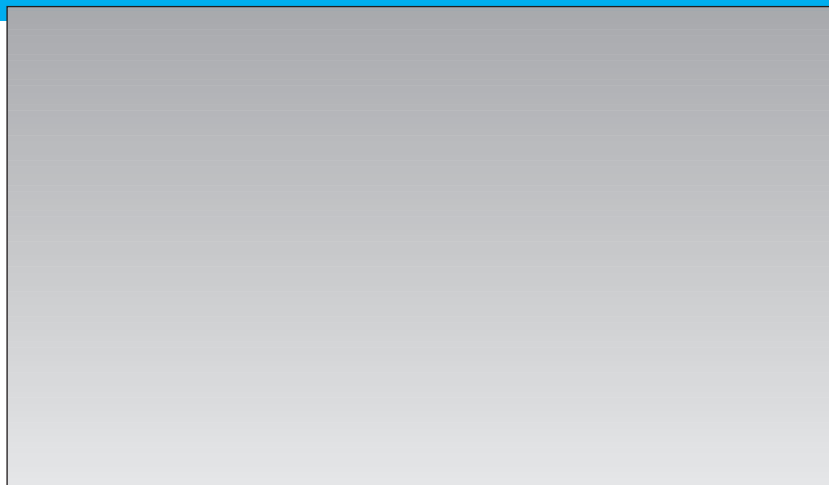


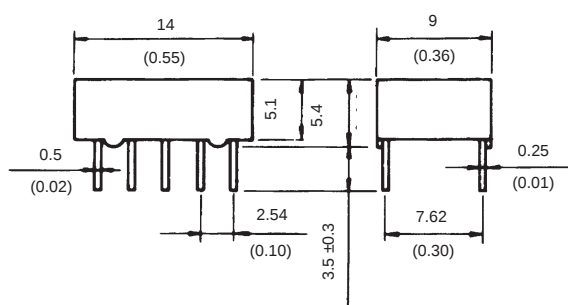
- DIL package
- High sensitivity coil
- Ultra low profile, minimal board area
- Fully sealed for immersion cleaning
- Low magnetic interference
- FCC Part 68 compliant
- Latching versions available
- UL recognised (E73266),
CSA Certified (LR46266)



Specifications

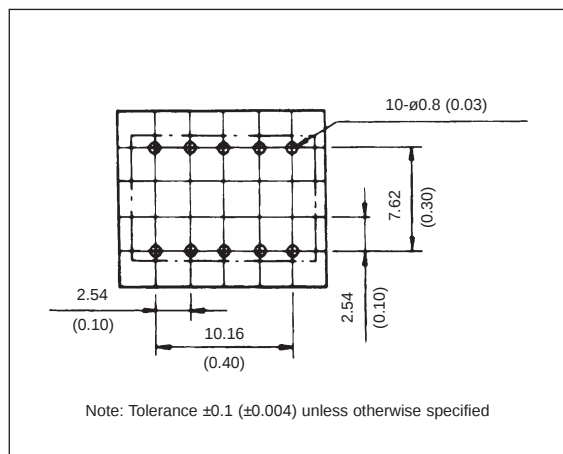
Contact form		2 Form C	
Contact rating	Maximum switching power	30W (resistive)	62.5 VA (resistive)
	Maximum switching voltage	220 VDC	250 VAC
	Maximum switching current	1A	
	Maximum carrying current	2A (@ 20°C)	
Initial contact resistance		50 mΩ TYP.	
Contact material		Silver alloy with gold overlay	
Nominal operating power	Non-latch type and double coil latch type	140 mW (3 to 12 V)	
		200 mW (24 V)	
	Single coil latch type	100 mW (3 to 12V)	
		150 mW (24 V)	
Minimum operating power	Non-latch type and double coil latch type	79 mW (3 to 12 V)	
		113 mW (24 V)	
	Single coil latch type	56 mW (3 to 12 V)	
		85 mW (24 V)	
Operate time (excluding bounce)		Approximately 2 ms without diode	
Release time (excluding bounce)		Approximately 1 ms without diode	
Insulation resistance		1000 MΩ at 500 VDC	
Breakdown voltage	Between open contacts	1000 VAC (for 1 minute)	
	Between adjacent contacts	1000 VAC (for 1 minute)	
	Between coil and contact	1000 VAC (for 1 minute)	
Shock resistance		75 G (misoperating)	
Vibration resistance		20 G (misoperating)	
Ambient temperature		-40 to +85°C	
Coil temperature rise		18° at nominal coil voltage (140 mW)	
Life expectancy	Mechanical	100 x 10 ⁶ operations	
	Electrical	30 VDC 1 A (resistive), 200 x 10 ³ operations	
		125 VAC 0.5 A (resistive), 100 x 10 ³ operations	
Weight		Approximately 1.5 grams	

Dimensions mm

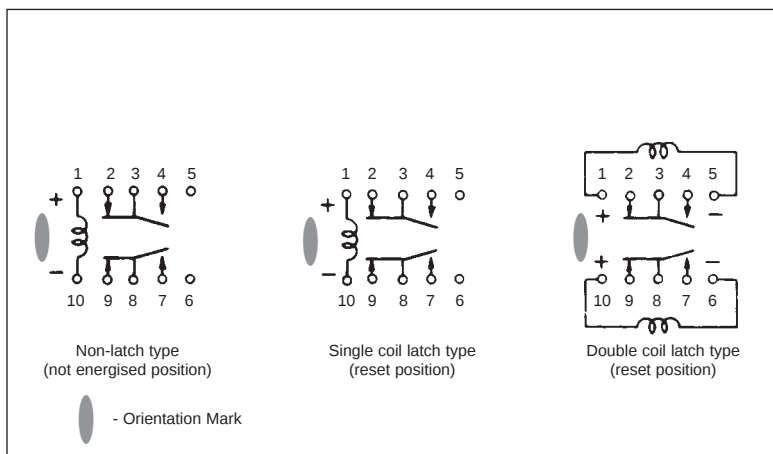


Note: Tolerance ± 0.2 (± 0.008) unless otherwise specified

PCB layout (bottom view)



Pin configuration (bottom view)



Part Numbers

Standard Type

at 25°C

Part Number		Nominal Coil Voltage (VDC) Range 75% – 150%	Coil Resistance (Ω) $\pm 10\%$	Must Operate Voltage (VDC)	Must Release Voltage (VDC)
Standard Type	UL/CSA Recognised Type				
EA2-3	EA2-3NU	3	64.3	2.25	0.3
EA2-4.5	EA2-4.5NU	4.5	145	3.38	0.45
EA2-5	EA2-5NU	5	178	3.75	0.5
EA2-6	EA2-6NU	6	257	4.5	0.6
EA2-9	EA2-9NU	9	579	6.75	0.9
EA2-12	EA2-12NU	12	1028	9	1.2
EA2-24	EA2-24NU	24	2880	18	2.4

Latching Type (Single Wound Coil)

at 25°C

Part Number		Nominal Coil Voltage (VDC) Range 75% – 150%	Coil Resistance (Ω) $\pm 10\%$	Must Operate Voltage (VDC)	Must Release Voltage (VDC)
Standard Type	UL/CSA Recognised Type				
EA2-3S	EA2-3SNU	3	90	2.25	2.25
EA2-4.5S	EA2-4.5SNU	4.5	202	3.38	3.38
EA2-5S	EA2-5SNU	5	250	3.75	3.75
EA2-6S	EA2-6SNU	6	360	4.5	4.5
EA2-9S	EA2-9SNU	9	810	6.75	6.75
EA2-12S	EA2-12SNU	12	1440	9	9
EA2-24S	EA2-24SNU	24	3840	18	18

Latching Type (Double Wound Coil)

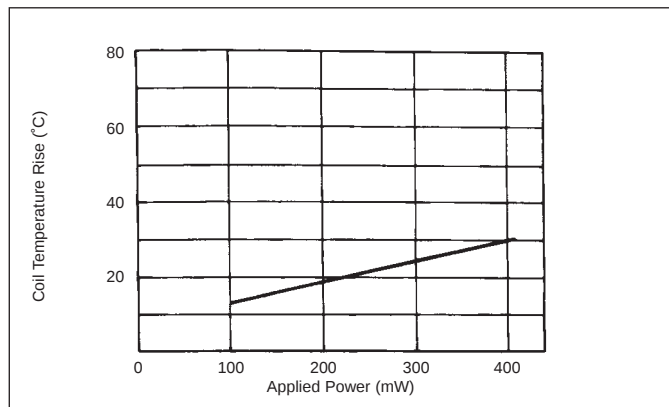
at 25°C

Part Number		Nominal Coil Voltage (VDC) Range 75% – 150%	Coil Resistance (Ω) $\pm 10\%$		Must Operate Voltage (VDC)	Must Release Voltage (VDC)
Standard Type	UL/CSA Recognised Type					
EA2-3T	EA2-3TNU	3	P	64.3	2.25	–
			S	64.3	–	2.25
EA2-4.5T	EA2-4.5TNU	4.5	P	145	3.38	–
			S	145	–	3.38
EA2-5T	EA2-5TNU	5	P	178	3.75	–
			S	178	–	3.75
EA2-6T	EA2-6TNU	6	P	257	4.5	–
			S	257	–	4.5
EA2-9T	EA2-9TNU	9	P	579	6.75	–
			S	579	–	6.75
EA2-12T	EA2-12TNU	12	P	1028	9	–
			S	1028	–	9
EA2-24T	EA2-24TNU	24	P	2880	18	–
			S	2880	–	18

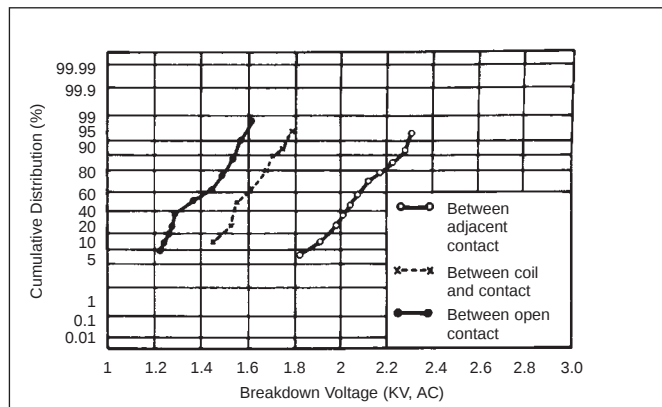
P – Primary (set) coil S – Secondary (reset) coil

Data

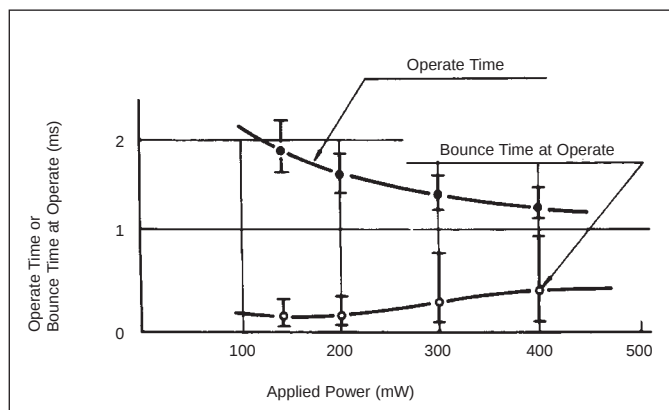
Coil temperature rise



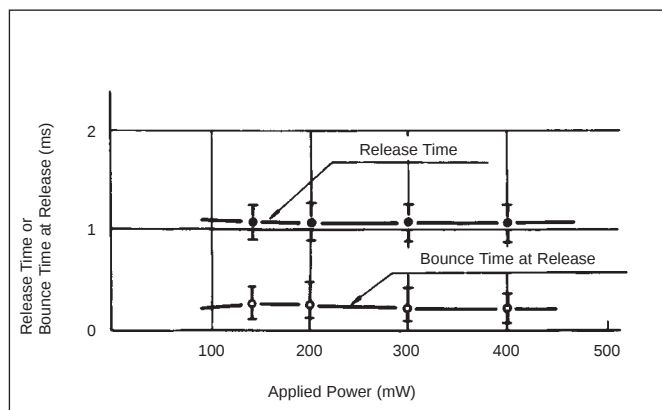
Breakdown voltage



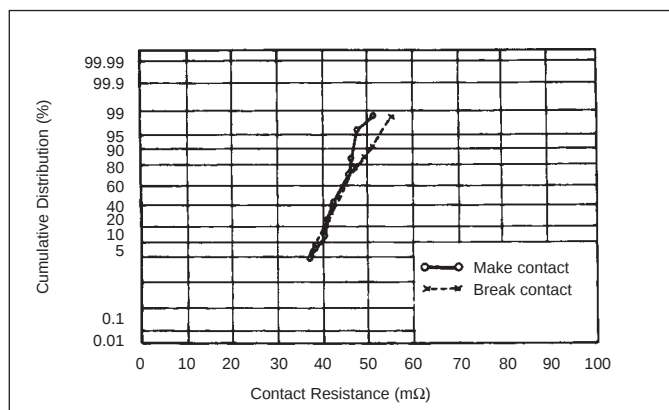
Operate time



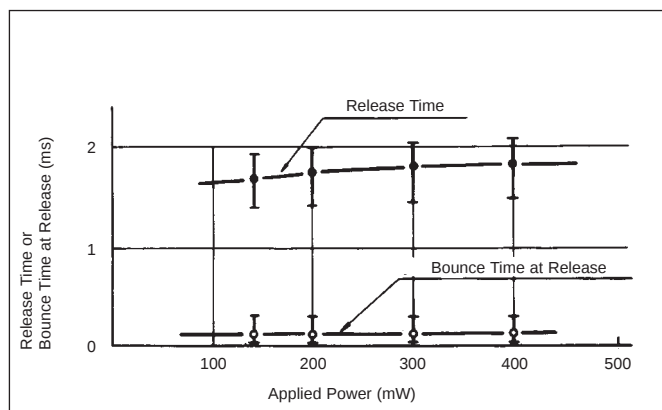
Release time



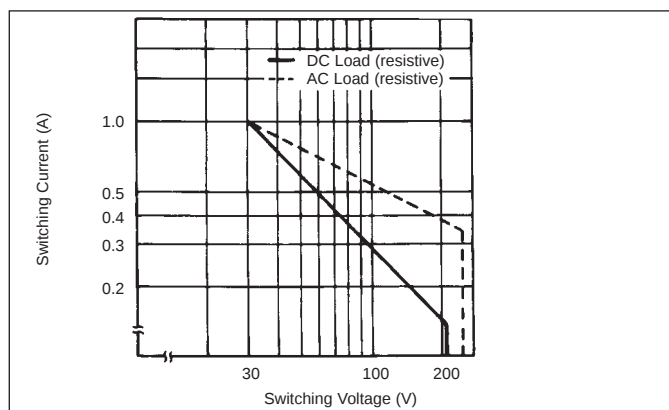
Contact resistance



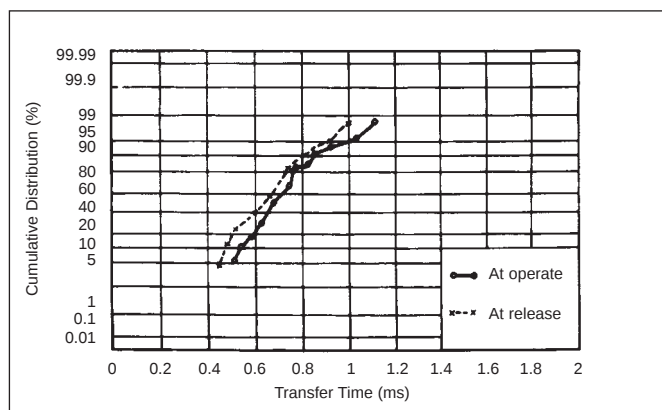
Release time with diode



Switching capacity

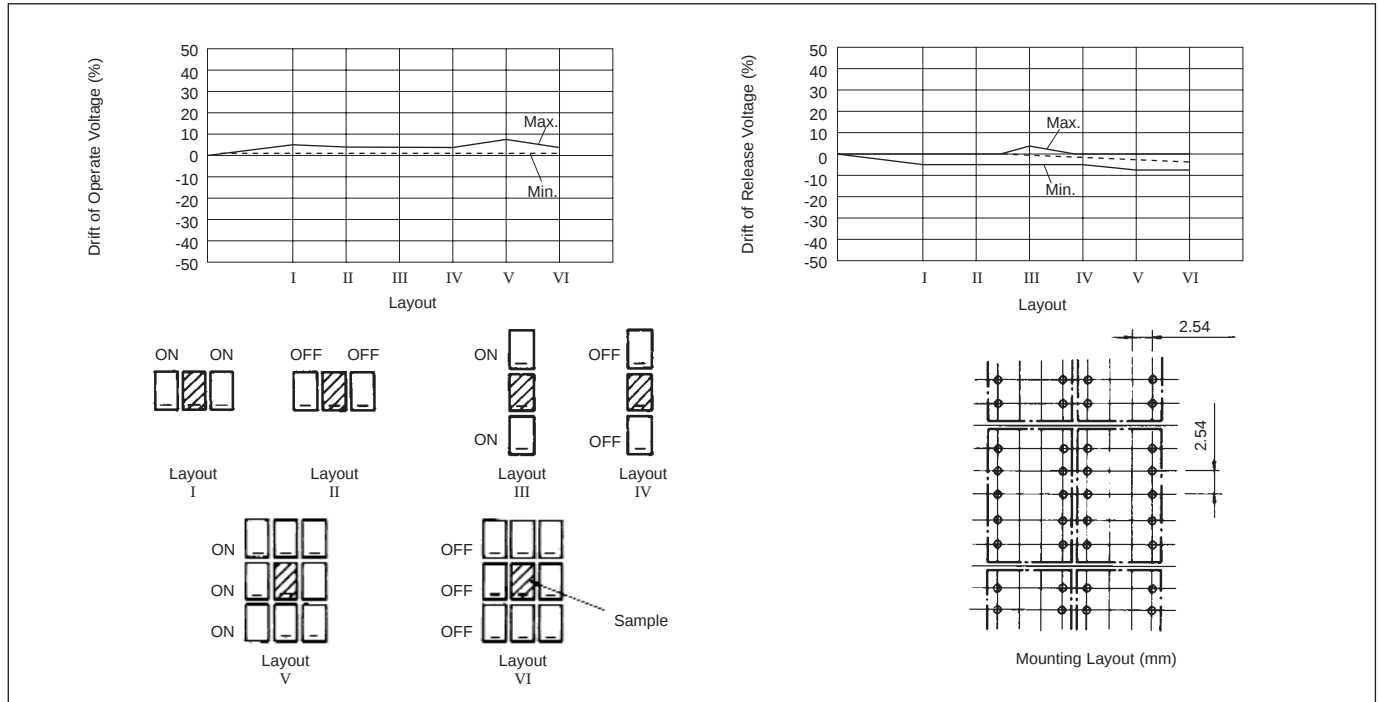


Transfer time

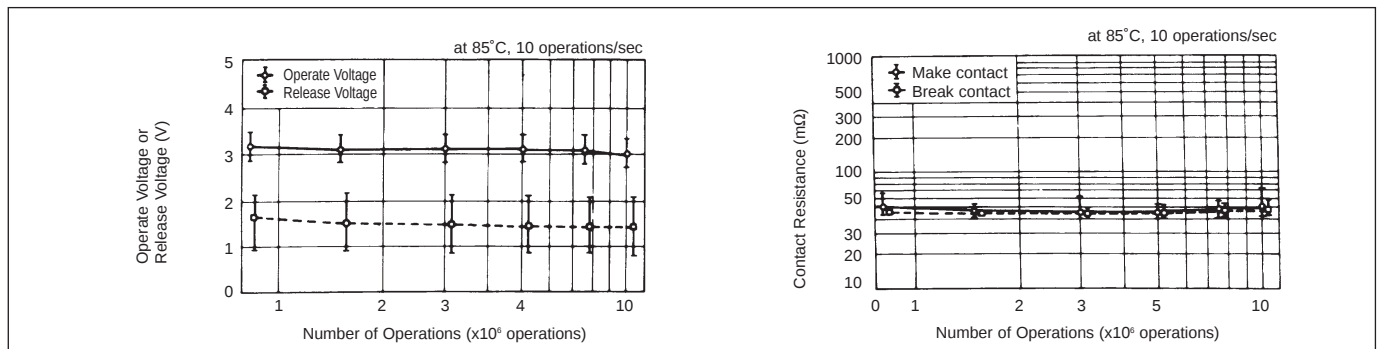


Data (continued)

Magnetic interference (EA2 relay)



Mechanical life



NOTE

1. The latch type relay should be initialised at the appointed position (set or reset position) when using, and should be energised or de-energised to the specified polarity to avoid wrong operations.
2. Ultrasonic cleaning is not recommended. Alcohol or chlorosene based solvents are acceptable as cleaning solvents.
3. Excessive stress on the relay cover is detrimental to reliable operation of the relay.

Options and ordering codes

