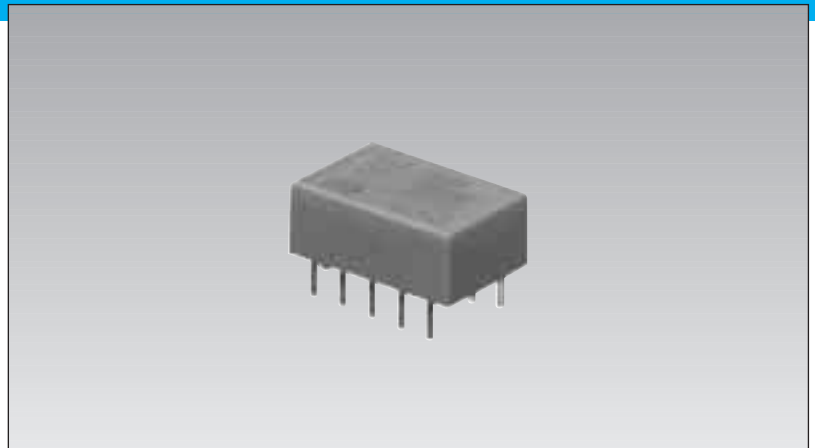


- Compact and Light Weight
- 2 Form C Contact Arrangement
- Low Power Consumption
- Reduced Mounting Space: 15mm x 9.5mm
- High-breakdown Voltage of Coil to Contacts: 1500 VAC, 2500 V (2 x 10 μs*)
- Capable of High-power Switching: 700 VAC, 4.2 A, 4 times in case of accident
- UL Recognised (E73266), CSA Certified (LR46266)
- EN60950 version available on request
- Tube or Taped Packaging

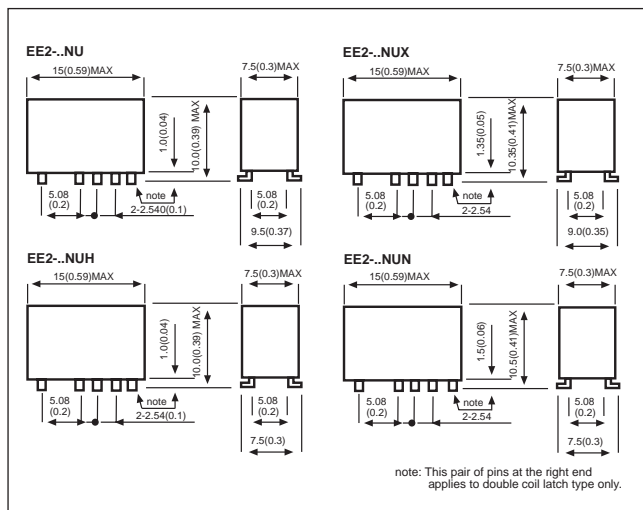


Specifications

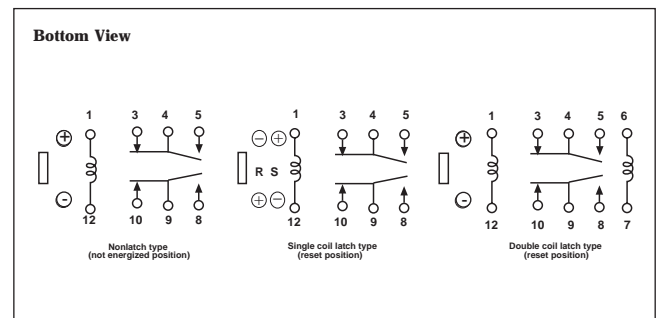
Contact form		2 Form C
Contact material		Silver alloy with gold alloy overlay
Contact rating	Maximum switching power	30W 125 VA (resistive)
	Maximum switching voltage	220Vdc 250 Vac
	Maximum switching current	2A
	Maximum carrying current	2A
Minimum contact ratings		10 mVDC, 100 μA
Initial contact resistance		50 mΩ typ.
Nominal operating power	Nonlatch type	140 mW (3 to 12 V), 200 mW (24 V)
	Single coil latch type	100 mW
	Double coil latch type	140 mW
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 one minute)
	Between adjacent contacts	1500 V surge (10 x 160 μs ^{*1})
	Between coil to contacts	1500 VAC (for one minute) 2500V surge (2 x 10 μs ^{*2})
Shock resistance		735 m/s ² (75G) (misoperating) 980 m/s ² (100G) (destructive failure)
Vibration resistance		10-55Hz, double amplitude 3 mm (20G) (misoperating) 10-55Hz, double amplitude 5 mm (30G) (destructive failure)
Ambient temperature		-40°C to+ 85°C
Coil temperature rise		18 degrees at nominal coil voltage (140 mW)
Running specifications	Nonload	1 x 10 ⁷ operations
	Load	50 VDC, 0.1A (resistive) 1 x 10 ⁶ operations at 85°C 10 VDC, 10 mA (resistive) 1 x 10 ⁶ operations at 85°C
Weight		Approximately 1.9 g

*1 rise time: 10 μs, fall time: 160 μs *2 rise time: 2 μs, fall time: 10 μs

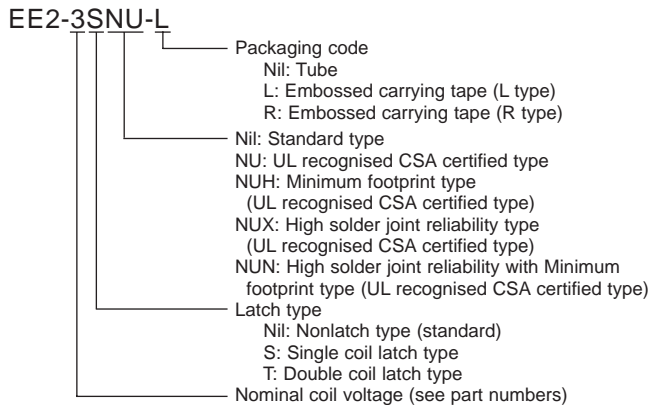
Dimensions mm(inch)



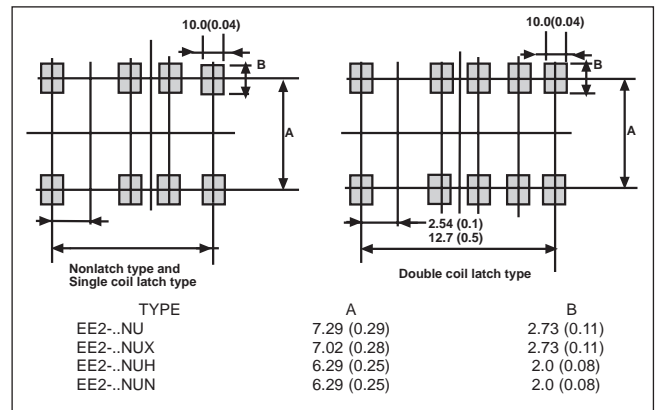
Schematics



Part Number System



Pad layout (bottom view) mm(inch)



Part Number

Nonlatch type

at 25°C

Part Number (Standard)	Nominal Coil Voltage VDC	Coil Resistance $\Omega \pm 10\%$	Must Operate Voltage VDC	Must Release Voltage VDC
EE2-3	3	64.3	2.25	0.3
EE2-4.5	4.5	145	3.38	0.45
EE2-5	5	178	3.75	0.5
EE2-6	6	257	4.5	0.6
EE2-9	9	579	6.75	0.9
EE2-12	12	1028	9.0	1.2
EE2-24	24	2880	18.0	2.4

Single Coil Latch type

at 25°C

Part Number (Standard)	Nominal Coil Voltage VDC	Coil Resistance $\Omega \pm 10\%$	Must Operate Voltage VDC	Must Release Voltage VDC
EE2-3S	3	90	2.25	2.25
EE2-4.5S	4.5	202.5	3.38	3.38
EE2-5S	5	250	3.75	3.75
EE2-6S	6	360	4.5	4.5
EE2-9S	9	810	6.75	6.75
EE2-12S	12	1440	9.0	9
EE2-24S	24	5760	18.0	18

Double Coil Latch type

at 25°C

Part Number (Standard)	Nominal Coil Voltage VDC	Coil Resistance $\Omega \pm 10\%$	Must Operate Voltage VDC	Must Release Voltage VDC
EE2-3T	3	S 64.3	2.25	-
		R 64.3	-	2.25
EE2-4.5T	4.5	S 145	3.38	-
		R 145	-	3.38
EE2-5T	5	S 178	3.75	-
		R 178	-	3.75
EE2-6T	6	S 257	4.5	-
		R 257	-	4.5
EE2-9T	9	S 579	6.75	-
		R 579	-	6.75
EE2-12T	12	S 1028	9.0	-
		R 1028	-	9.0
EE2-24T	24	S 4114	18.0	-
		R 4114	-	18.0

Note S: Set Coil (pin No. 1 and 12) R: Reset Coil (pin No. 6 and 7)

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