

FEATURES

- UL safety approval.
- Smaller size at 16A switching capacity relay for high density.
- Surge strength:4500 VAC.
- 1 Form A (SPST-NO) contact.
- Nominal power 800mW.
- Operating power 450mW.
- PCB mounting technique.
- Selection of case material for high temperature and better chemical solution performance.



UL FILE NO: E169563

CONTACT RATINGS

- Contact Arrangement.....1 Form A (SPST-NO)
- Max. Switching Power.....4000VA 480W
- Max. Switching voltage250VAC 30VDC
- Max. Switching current.....16A
- Contact Resistance..... $\leq 50m\Omega$
- Rating Load.....16A/250VAC 20A/125VAC 20A/24VDC
- Contact MaterialAg Alloy

CHARACTERISTICS

- Electrical Life..... 1×10^5
- Mechanical Life..... 5×10^6
- Initial Insulation Resistance.....Min. 100M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 50m\Omega$
- Operate Time..... $\leq 20ms$
- Release Time..... $\leq 10ms$
- Initial Dielectric Strength
 -50/60Hz 1500VAC 1 min. (between open contacts)
 -50/60Hz 4000VAC 1 min. (between contacts and coil)
- Vibration Resistance
 -Malfunction: 10 to 55Hz at Double Amplitude of 1.5mm
 -Destructive: 10 to 55Hz at Double Amplitude of 1.5mm
- Shock Resistance
 -Malfunction: 10G (11ms) / Destructive: 100G(6ms)
- Ambient Temperature $-25^{\circ}C \sim +70^{\circ}C$
- Relative Humidity.....85% at 40 $^{\circ}C$
- Unit WeightApprox. 17g

ORDERING INFORMATION

954 - 1A - 12 D MP - 1
 1 2 3 4 5 6

Type Of Install.....1 = Install Style One

.....2 = Install Style Two

.....3 = Install Style Three

.....4 = Install Style Four

Terminal Type.....MP = Double Connect Type

Coil Type.....D: DC

Coil Voltage.....3~60V

Contact Arrangement.....1A = 1 Form A (SPST-NO)

Model Number.....954

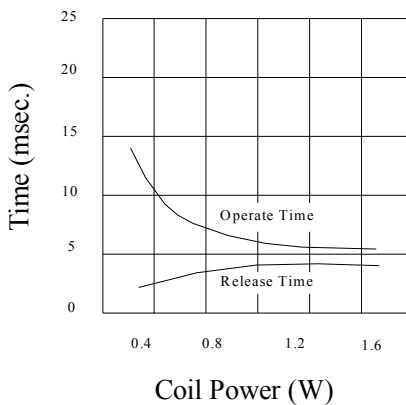
COIL RATINGS (at 20°C)

COIL TYPE	Coil Nominal Voltage (V)	Coil Resistance ($\Omega \pm 10\%$)	Pick-Up Voltage (V) \leq	Drop-Out Voltage (V) \geq	Nominal Current (mA)
DC Standard Coils	3	11	2.25	0.3	273
	5	31	3.75	0.5	161
	6	45	4.5	0.6	133
	9	101	6.75	0.9	89
	12	180	9	1.2	66.7
	18	405	13.5	1.8	44.4
	24	720	18	2.4	33.3
	48	2880	36	4.8	16.7
	60	4500	45	6	13.3

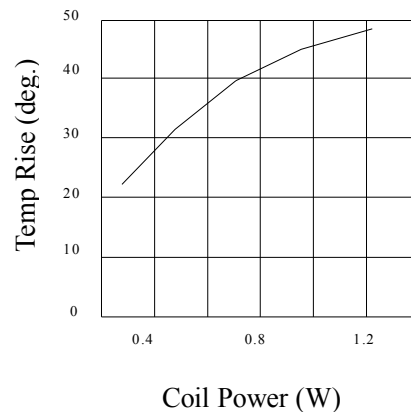
* Max Continuous Voltage at 20°C: 110% of Coil Nominal Voltage.

Referential Data

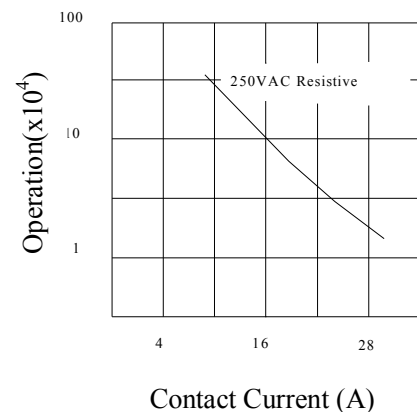
Timing



Coil Temperature Rise



Life Curves



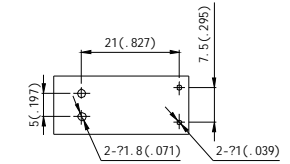
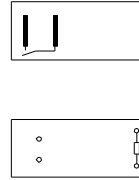
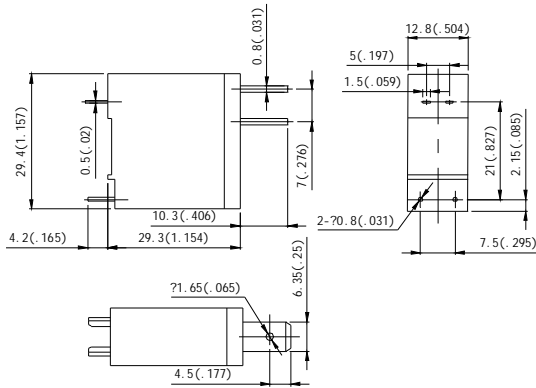
OUTLINE DIMENSIONS

Dimensions

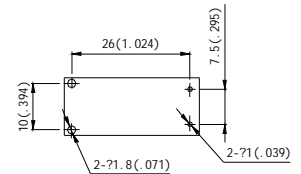
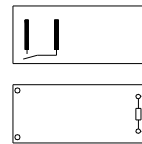
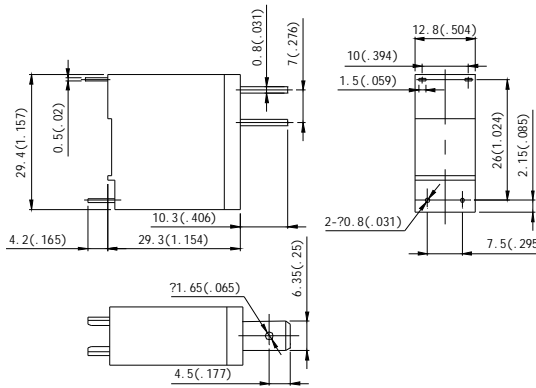
Internal Connections (Bottom View)

Drilling Plan (Bottom View)

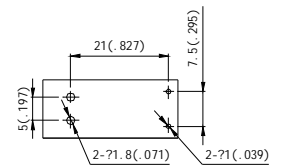
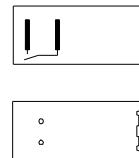
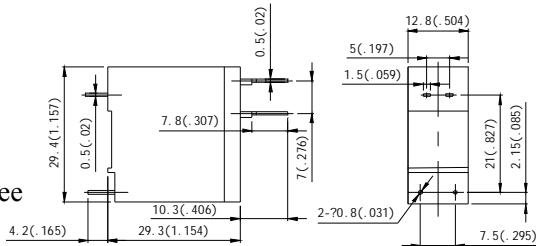
Install Style One



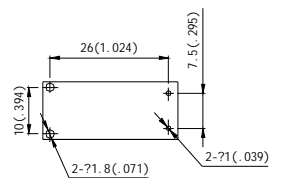
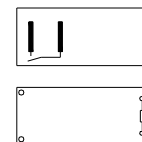
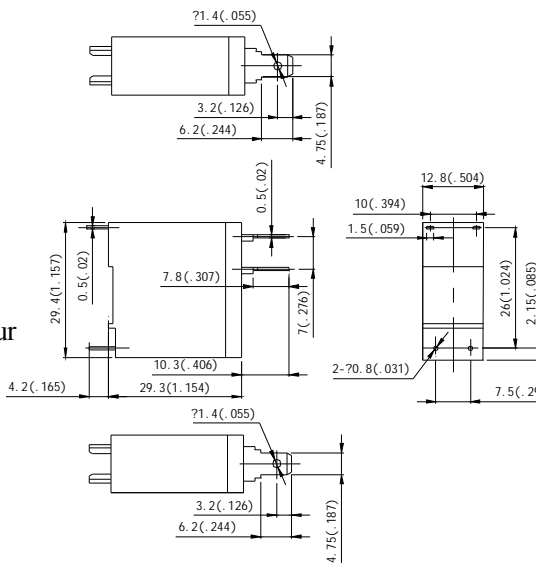
Install Style Two



Install Style Three



Install Style Four



REMARK: Tolerance of outline dimensions: $\pm 0.2(0.008)$.

UNIT: mm(inch)