

954 Series Relay

FEATURES

- 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

ORDERING INFORMATION

$\frac{954}{1} - \frac{1A}{2} - \frac{12}{3} \frac{D}{4} \frac{MP}{5} - \frac{1}{6}$	
1. Model Number	5. Terminal Type MP = Double Connect Type
2. Contact Arrangement 1A = 1 Form A (SPST-NO)	6. Type Of Install 1 = Install Style One 2 = Install Style Two 3 = Install Style Three 4 = Install Style Four
3. Coil Voltage 3~60V	
4. Coil Type D: DC	

COIL RATINGS (at 20℃)

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℃: 130% of Coil Nominal Voltage.

CONTACT RATINGS

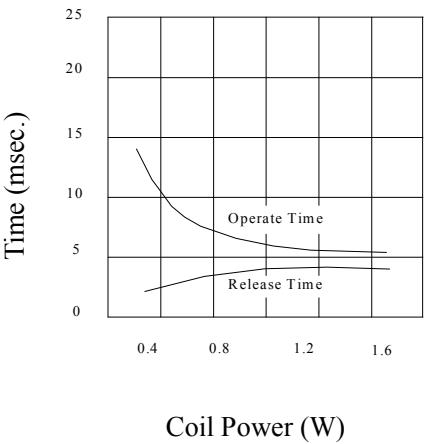
Contact Arrangement	1 Form A (SPST-NO)
Max. Switching Power	4000VA 480W
Max. Switching voltage	250VAC 30VDC
Max. Switching current	16A
Contact Resistance	≤50mΩ
Rating Load	16A/250VAC 20A/125VAC 20A24VDC
Contact Material	Ag-CdO

CHARACTERISTICS

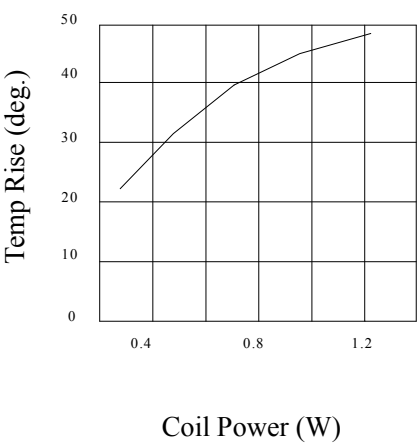
Electrical Life	1 × 10 ⁵
Mechanical Life	5 × 10 ⁶
Initial Insulation Resistance	Min. 100MΩ 500VDC
Contact Resistance (Initial)	≤50mΩ
Operate Time	≤20ms
Release Time	≤10ms
Initial Dielectric Strength	50/60Hz 1500VAC 1 min. (between open contacts) 50/60Hz 4000VAC 1 min. (between contacts and coil)
Vibration 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℃ ~ +70℃
Relative Humidity	85% at 40℃
Unit Weight	Approx. 17g

954 Referential Data

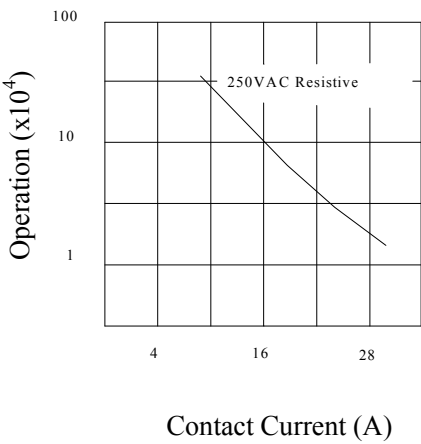
Timing



Coil Temperature Rise



Life Curves

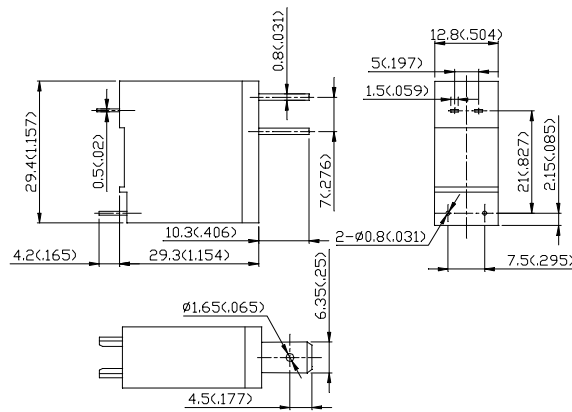


OUTLINE DIMENSIONS

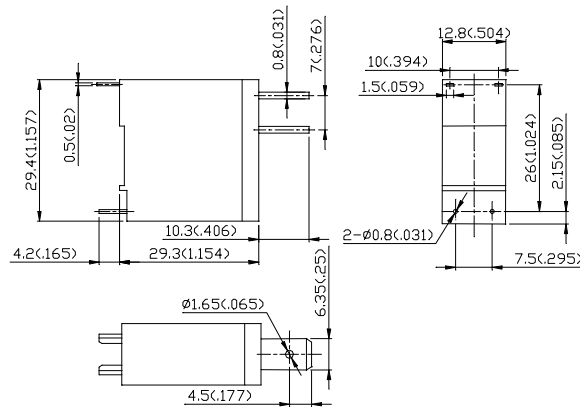
Dimensions

Internal Connections
(Bottom View)Drilling Plan
(Bottom View)

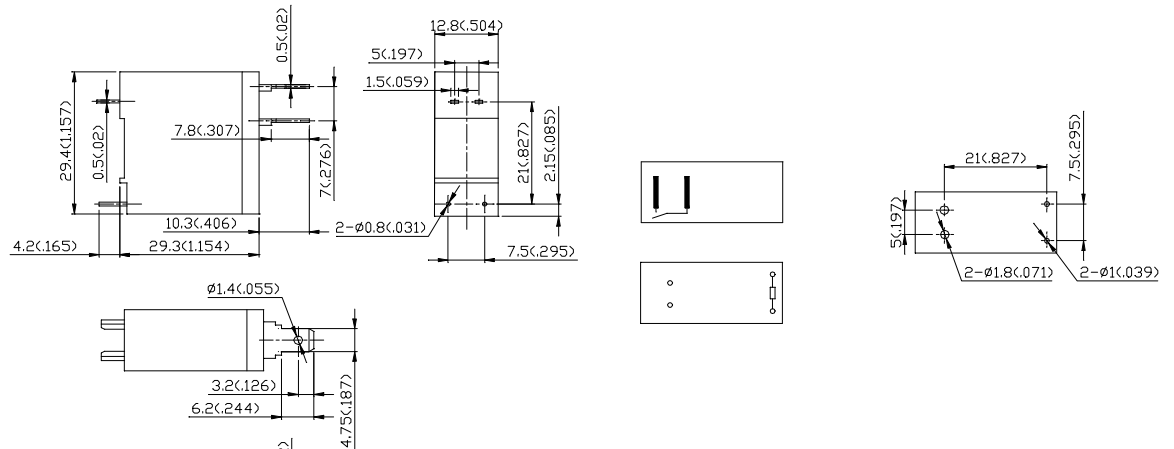
Install Style One



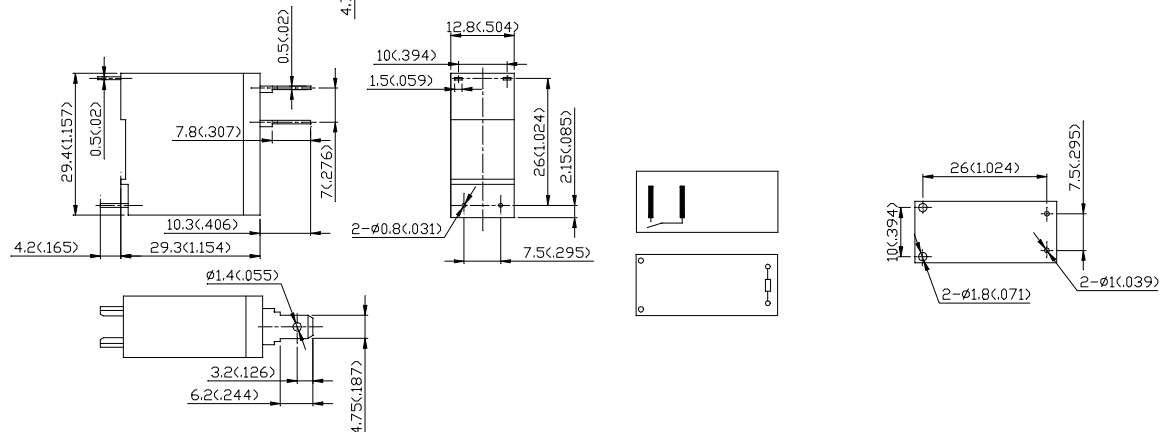
Install Style Two



Install Style Three



Install Style Four

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

UNIT: mm (inch)