



994 Series Relay

FEATURES

- Max switching capacity up to 30A.
- PCB mounting or quick connect terminals.
- Optional mounting Bracket.
- 1 Form A arrangements.



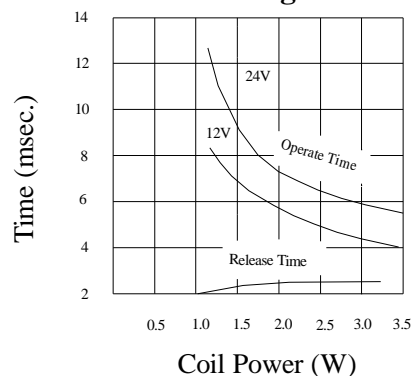
CONTACT RATINGS

- Contact Arrangement.....1 Form A (SPST-NO)
- Max. Switching Power.....360W
- Max. Switching Voltage.....12VDC
- Max. Switching Current.....30A
- Contact Resistance..... $\leq 100m\Omega$
- Rating Load.....30A /12VDC
- Contact Material.....Ag Alloy

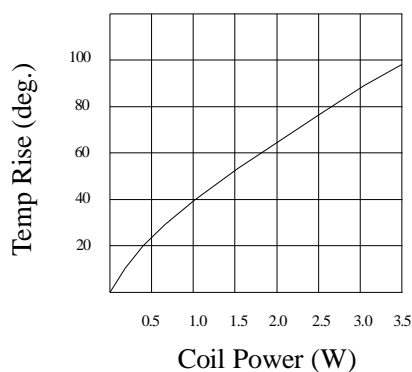
CHARACTERISTICS

- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance.....Min. 100M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 100m\Omega$
- Operate Time..... $\leq 10ms$
- Release Time..... $\leq 10ms$
- Initial Dielectric Strength
 -50/60Hz 500VAC 1 min. (between open contacts)
 -50/60Hz 500VAC 1 min. (between contacts and coil)
- Vibration Resistance
 -Malfunction: 10 to 40Hz at Double Amplitude of 1.27mm
 -Destructive: 10 to 40Hz at Double Amplitude of 1.27mm
- Shock Resistance
 -Malfunction: 10G (11ms) / Destructive: 100G (6ms)
- Ambient Temperature
 - $-40^{\circ}C \sim +85^{\circ}C$
- Relative Humidity
 -85% at $40^{\circ}C$
- Unit Weight
 -Approx. 30g

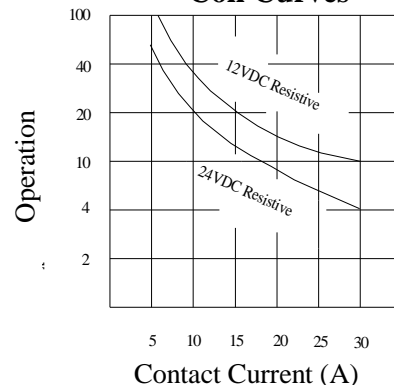
994 Referential Data Timing



Coil Temperature Rise



Coil Curves



ORDERING INFORMATION

994 - 1A - 12 D M
 1 2 3 4 5

Dust Cover Type.....Nil = Standard Dust Cover
M = Mounting Bracket Dust Cover
 Coil Type.....D: DC
 Coil Voltage.....12V、 24V
 Contact Arrangement.....1A = 1 Form A (SPST-NO)
 Model Number.....994

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	12	90	7.2	1.2	133
	24	360	14.4	2.4	67

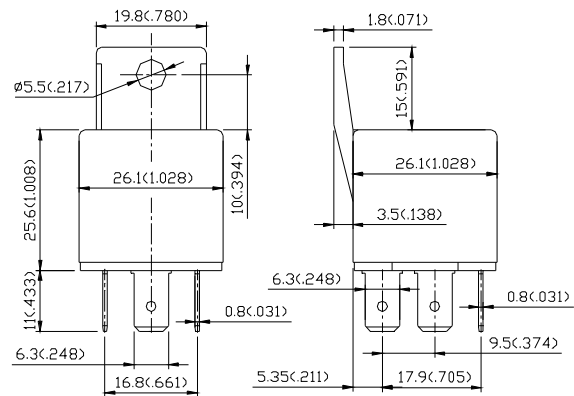
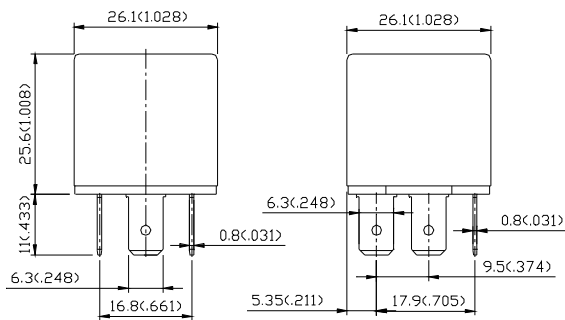
* Max Continuous Voltage at 20°C: 110% of Coil Nominal Voltage.

OUTLINE DIMENSIONS

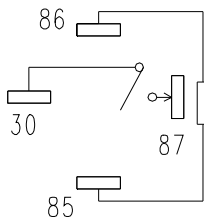
Dimensions

Standard Dust Cover

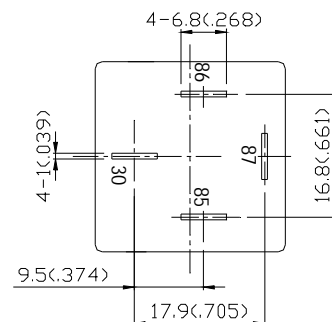
With Lever Type



Internal Connections (Bottom View)



Drilling Plan (Bottom View)



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

UNIT: mm (inch)