

Y14 Series Relay

FEATURES

- UL safety approval.
- 1 Amps super miniature relay.
- 1 Form C (SPDT) contact.
- Sensitivity power in small package.
- Nominal power 150mW~200mW.
- DIL pitch terminal.
- Washable Type (ultrasonic cleaning is not recommended).

CONTACT RATINGS

- Contact Arrangement 1 Form C (SPDT)
- Max. Switching Power..... 62.5VA 30W
- Max. Switching Voltage..... 125VAC 60VDC
- Max. Switching Current..... 1A
- Contact Resistance..... $\leq 100\text{m}\Omega$
- Rating Load..... 0.5A/125VAC 1A/24VDC
- Contact Material..... Ag Alloy

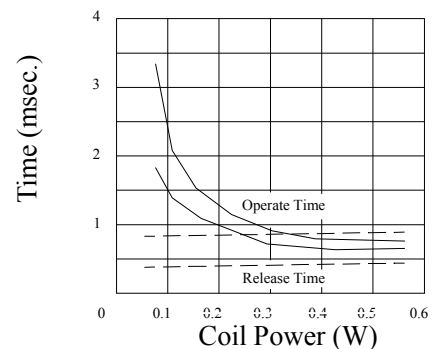
CHARACTERISTICS

- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance
..... Min. 100M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 100\text{m}\Omega$
- Operate Time..... $\leq 5\text{ms}$
- Release Time..... $\leq 5\text{ms}$
- Initial Dielectric Strength
..... 50/60Hz 400VAC 1 min. (between open contacts)
..... 50/60Hz 1000VAC 1 min. (between contacts and coil)
- Vibration
..... 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..... $-30^\circ\text{C} \sim +70^\circ\text{C}$
- Relative Humidity..... 35%~85% at 40°C
- Unit Weight..... Approx. 2.2g

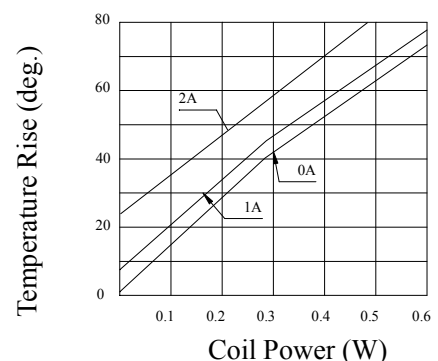


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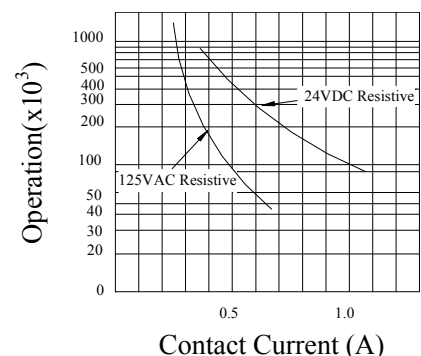
Y14 Referential Data Timing



Coil Temperature Rise



Life Curves



ORDERING INFORMATION

Y14 H - 1C - 12 D S
1 2 3 4 5 6

Enclosure.....Nil = General Type

.....S = Sealed Type

Coil Type.....D: DC

Coil Voltage.....3~24V

Contact Arrangement.....1C = 1 Form C (SPDT)

Coil Sensitivity.....Nil = Standard Type

.....H = High Sensitive Type

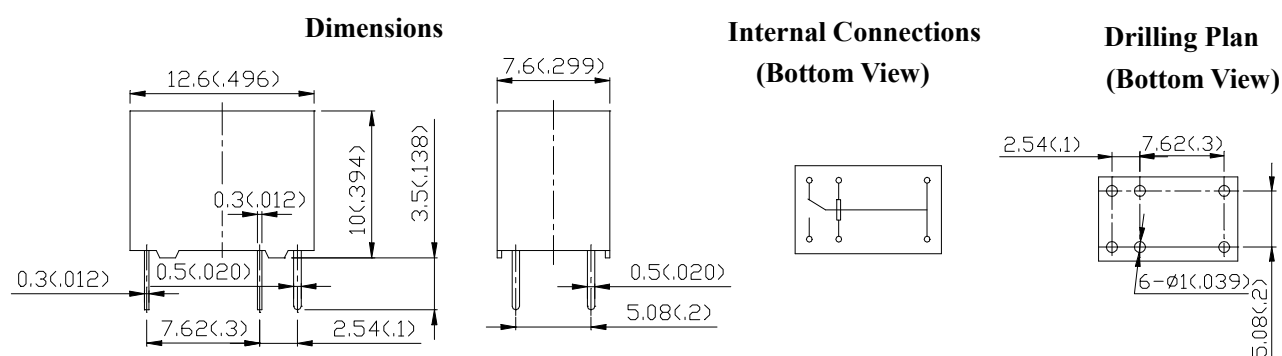
Model Number.....Y14

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 (200 mW)	3	45	2.40	0.3	66.7
	5	125	4.00	0.5	40.0
	6	180	4.80	0.6	33.3
	9	405	7.20	0.9	22.2
	12	720	9.60	1.2	16.6
	24	2880	19.20	2.4	8.3
DC High Sensitive Coils (150 mW)	3	60	2.40	0.3	50.0
	5	167	4.00	0.5	29.9
	6	240	4.80	0.6	25.0
	9	540	7.20	0.9	16.7
	12	960	9.60	1.2	12.5
	24	3840	19.20	2.4	6.3

* Max Continuous Voltage at 20℃: 110% of Coil Nominal Voltage

OUTLINE DIMENSIONS



REMARK: Tolerance of outline dimensions: $\pm 0.2(.008)$.

UNIT: mm (inch)