

Y14 Series Relay

FEATURES

- 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).



UL FILE NO: PENDING

ORDERING INFORMATION

	$\frac{Y14}{1}$	$\frac{H}{2}$	$\frac{1C}{3}$	$\frac{12}{4}$	$\frac{D}{5}$	$\frac{S}{6}$
1. Model Number						
2. Coil Sensitivity Nil = Standard Type H = High Sensitive Type						
3. Contact Arrangement 1C = 1 Form C (SPDT)						
4. Coil Voltage 3~24V						
5. Coil Type D: DC						
6. Enclosure Nil = General type S = Sealed Type						

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 (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°C: 130% of Coil Nominal Voltage

CONTACT RATINGS

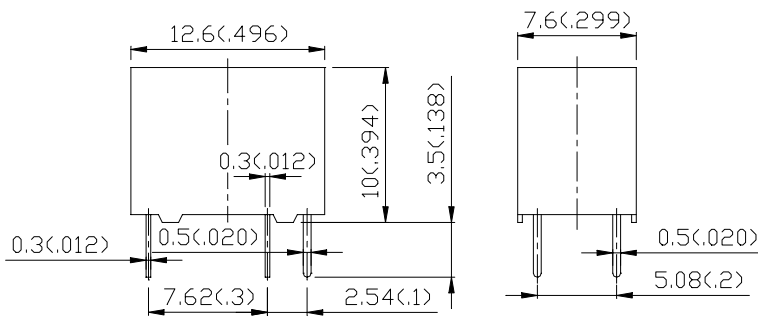
Contact Arrangement	1 Form C (SPDT)
Max. Switching Power	62.5VA 30W
Max. Switching Voltage	125VAC 60VDC
Max. Switching Current	1A
Contact Resistance	≤100mΩ
Rating Load	0.5A/125VAC 1A/24VDC
Contact Material	Gold overlay silver - palladium

CHARACTERISTICS

Electrical Life	1 × 10 ⁵
Mechanical Life	1 × 10 ⁷
Initial Insulation Resistance	Min. 100MΩ 500VDC
Contact Resistance (Initial)	≤100mΩ
Operate Time	≤5ms
Release Time	≤5ms
Initial Dielectric Strength	50/60Hz 400VAC 1 min. (between open contact) 50/60Hz 1000VAC 1 min. (between all conductors)
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°C ~ +70°C
Relative Humidity	35% ~ 85% at 40°C
Unit Weight	Approx. 2.2g

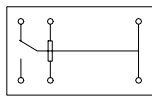
OUTLINE DIMENSIONS

Dimensions



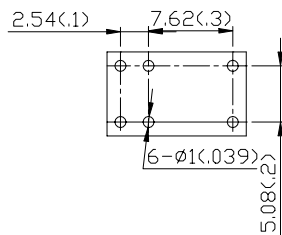
REMARK: Tolerance of outline dimensions: ±0.2(.008).

Internal Connections
(Bottom View)



General Type

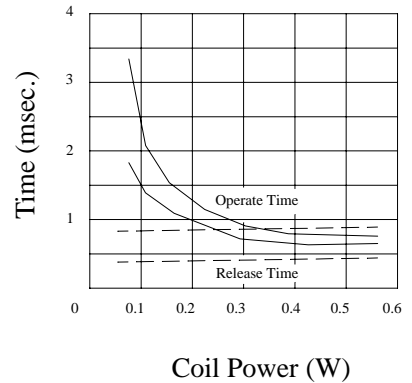
Drilling Plan
(Bottom View)



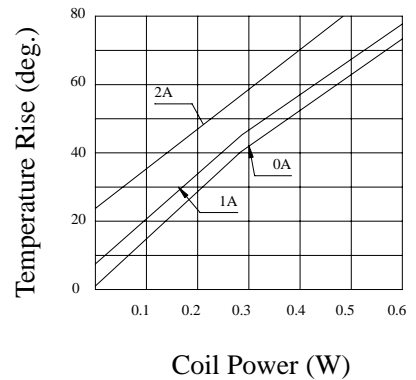
UNIT: mm (inch)

Y14 Referential Data

Timing



Coil Temperature Rise



Life Curves

