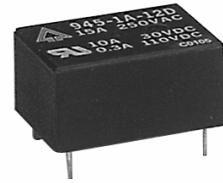


945 Series Relay

FEATURES

- UL safety approval.
- Nominal power 200mW.
- Operating power 130mW.
- Heavy current up to 15 Amps.
- DIL pitch terminal.



UL FILE NO: E169563

ORDERING INFORMATION

$\frac{945}{1} - \frac{1A}{2} - \frac{6}{3} \quad \frac{D}{4} \quad \frac{S}{5}$	
1.Model Number	4.Coil Type D: DC
2.Contact Arrangement 1A = 1 Form A (SPST-NO)	5.Enclosure Nil = General Type S = Sealed Type
3.Coil Voltage 5~48V	

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	5	125	4	0.25	40
	6	180	4.8	0.3	33.3
	9	405	7.2	0.45	22.2
	12	720	9.6	0.6	16.7
	18	1620	14.4	0.9	11.1
	24	2880	19.2	1.2	8.3
	48	11520	38.4	2.4	4.2

* Max Continuous Voltage at 20°C: 130% of Coil Nominal Voltage.

CONTACT RATINGS

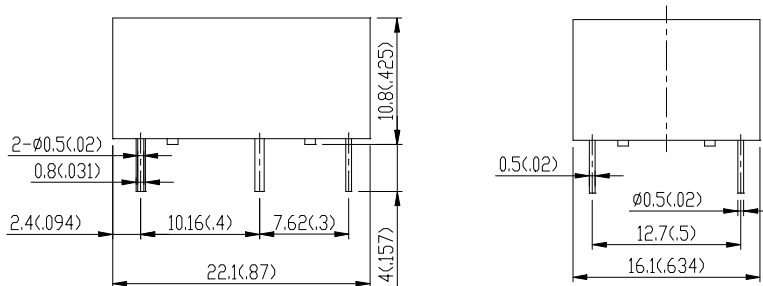
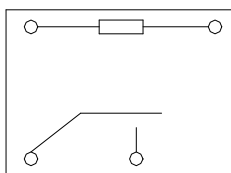
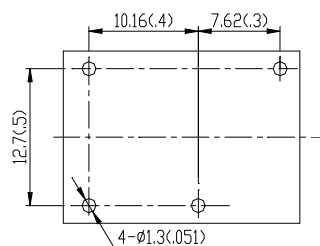
Contact Arrangement	1 Form A (SPST-NO)
Max. Switching Power	3750VA 300W
Max. Switching Voltage	250VAC 110VDC
Max. Switching Current	15A
Contact Resistance	$\leq 50\text{m}\Omega$
Rating Load	15A/250VAC 10A/30VDC 0.3A/110VDC
Contact Material	Ag-CdO

CHARACTERISTICS

Electrical Life	1×10^5
Mechanical Life	1×10^7
Initial Insulation Resistance	Min. 100M Ω 500VDC
Contact Resistance (Initial)	$\leq 50\text{m}\Omega$
Operate Time	$\leq 10\text{ms}$
Release Time	$\leq 4\text{ms}$
Initial Dielectric Strength	50/60Hz 1000VAC 1 min. (between open contacts) 50/60Hz 1500VAC 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	$-40^\circ\text{C} \sim +70^\circ\text{C}$
Relative Humidity	85% at 40°C
Unit Weight	Approx. 8g

OUTLINE DIMENSIONS

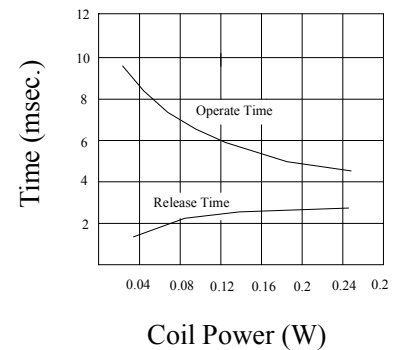
Dimensions

REMARK: Tolerance of outline dimensions: ± 0.2 (.008).Internal Connections
(Bottom View)Drilling Plan
(Bottom View)

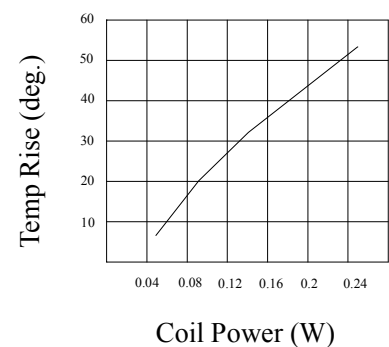
UNIT: mm (inch)

945 Referential Data

Timing



Coil Temperature Rise



Life Curves

