

962 Series Relay

FEATURES

- 16A continuous contact rating @ 85°C.
- 1 Form A and 1 Form C arrangement.
- Plug in terminals.
- Small dimensions.
- Nominal power 1200mW~1500mW.
- Operating power 420mW~530mW.

CONTACT RATINGS

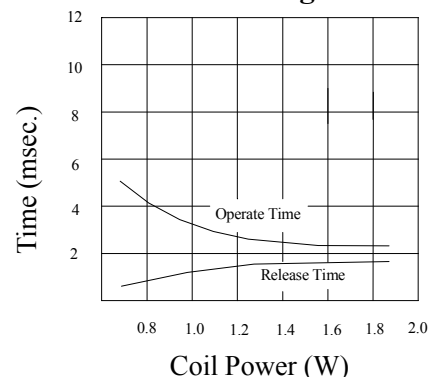
- Contact Arrangement.....1 Form A (SPST-NO)
.....1 Form C (SPDT)
- Max. Switching Power.....280W
- Max. Switching Voltage.....14VDC
- Max. Switching Current.....20A
- Contact Resistance..... $\leq 100\text{m}\Omega$
- Rating Load
 - 1 Form A.....20A/14VDC
 - 1 Form C.....NC: 10A / NO:20A 14VDC
- Contact Material.....Ag Alloy

CHARACTERISTICS

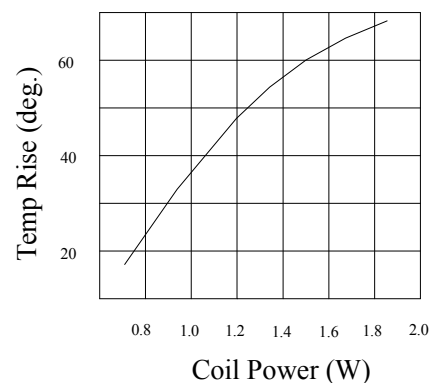
- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance.....Min. 100M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 100\text{m}\Omega$
- Operate Time..... $\leq 6\text{ms}$
- Release Time..... $\leq 3\text{ms}$
- Initial Dielectric Strength
 -50/60Hz 500VAC 1 min. (between open contacts)
 -50/60Hz 1000VAC 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°C ~ +85°C
- Relative Humidity.....85% at 40°C
- Unit Weight.....Approx. 15g



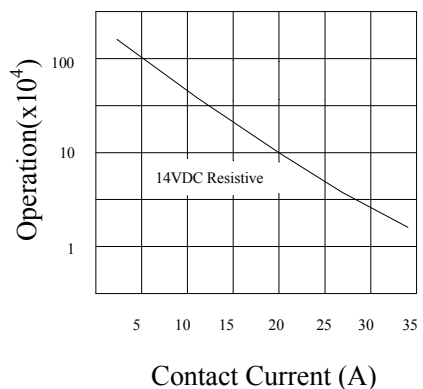
962 Referential Data Timing



Coil Temperature



Life Curves



ORDERING INFORMATION

962 - 1C - 12 D P
1 2 3 4 5

N:.....Plug in terminals

L:Plug in terminals

P:.....P C B terminals

Coil Type.....D:DC

Coil Voltage.....6~24V

Contact Arrangement.....1A = 1 Form A (SPST-NO)

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

Model Number.....962

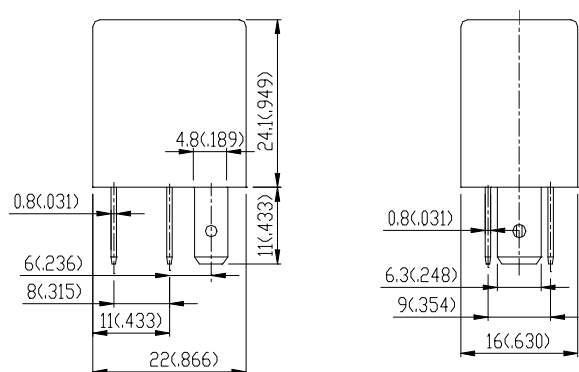
COIL RATINGS (at 20°C)

COIL TYPE	Coil Nominal Voltage (V)	Coil Resistance ($\Omega \pm 10\%$)	Pick-Up Voltage (V) $\leq$	Drop-Out Voltage (V) $\geq$	Nominal Current (mA)
Standard Coils (1 Form C)	6	25	3.6	0.6	240
	12	98	7.2	1.2	122
	24	389	14.4	2.4	61.7
Standard Coils (1 Form A)	6	32	3.6	0.6	187.5
	12	124	7.2	1.2	96.8
	24	483	14.4	2.4	49.7

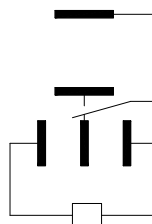
* Max Continuous Voltage at 20°C: 110% of Coil Nominal Voltage.

OUTLINE DIMENSIONS

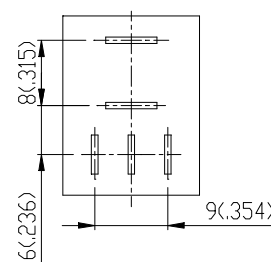
Dimensions



Internal Connections
(Bottom View)



Drilling Plan
(Bottom View)



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

NIT: mm (inch)