

FEATURES

- Ideal for UPS application.
- Contact gap 3.0mm version, ideal for (EN50091-1) safety request
- Insulation distance 8mm, Dielectric surge voltage:10KV



UL FILE NO : E162117

CSA FILE NO : LR107041-2

TUV FILE NO: R50048089

CQC FILE NO: CQC02001001786

CONTACT RATINGS

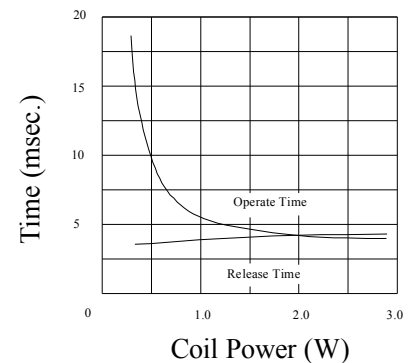
- Contact Arrangement2 Form A (DPST-NO)
- Max. Switching Power.....2000VA 240W
- Max. Switching Voltage.....250VAC 30VDC
- Max. Switching Current.....8A
- Contact Resistance..... $\leq 50m\Omega$
- Resistive Load..... 7A/250VAC 7A/30VDC
- Inductive Load(Cos ϕ =0.4, L/R=7ms).....2A/250VAC
.....2A/30VDC
- TV Rating.....TV-3
- Contact Material.....Ag Alloy

CHARACTERISTICS

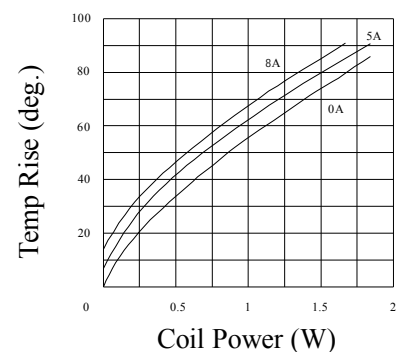
- Mechanical Life..... 1×10^7 (frequency 18,000 operations/hr)
- Electrical Life..... 1×10^4 (frequency 1,800operations/hr)
- Initial Insulation Resistance.....Min. 100M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 50m\Omega$
- Operate Time..... $\leq 15ms$
- Release Time..... $\leq 5ms$
- Initial Dielectric Strength
 -50/60Hz 1000VAC 1 min. (between open contacts)
 -50/60Hz 5000VAC 1 min. (between contacts and coil)
 -50/60Hz 2500VAC 1 min. (between contact sets)8A
- Surge Voltage.....10kV (1.2 \times 50 μ s)
- 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 $^{\circ}$ C ~ +80 $^{\circ}$ C
- Relative Humidity.....85% at 40 $^{\circ}$ C
- Unit Weight.....Approx. 17g

942-2A Referential Data

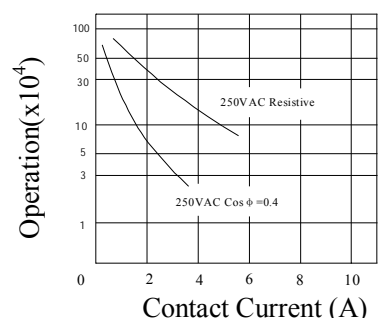
Timing



Coil Temperature Rise



Life Curves



ORDERING INFORMATION

942 - 2A - 12 D - S
 1 2 3 4 5

Enclosure..... Nil = Flow Solder Type
S = Sealed Type

Coil Type.....D: DC

Coil Voltage..... DC:12V , 24V

Contact Arrangement.....2A= 2 Form A (DPST-NO)

Model Number.....942

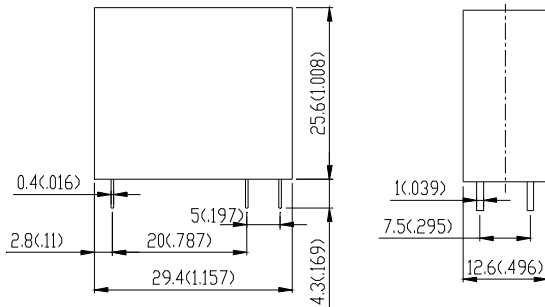
COIL RATINGS (at 20°C)

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	12	200	8.4	1.2	60
	24	820	16.8	2.4	29.3

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

OUTLINE DIMENSIONS

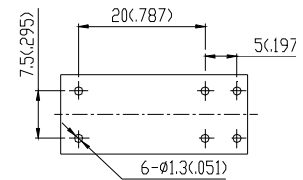
Dimensions



Internal Connections (Bottom View)



Drilling Plan (Bottom View)



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

UNIT: mm (inch)