HSIN DA

949 Series Relay

FEATURES

- UL & CQC safety approval.
- 30Amp, small Tab Terminal Type power relay.
- High Insulation current 65A.
- Surge strength: 4000 VAC.
- 1 Form A (SPST-NO) contact.
- Nominal power 1200mW.
- Operating power 680mW.
- Tab Terminal.
- Printed Circuit Coil Terminals Type Available.
- Small package – Meet High Density Mounting Requirement.

UL FILE NO: E169563
CQC FILE NO:CQC02001001779

CONTACT RATINGS

- Contact Arrangement……..1 Form A (SPST-NO)
- Max. Switching Power…….....7500VA 840W
- Max. Switching Voltage……..250VAC 28VDC
- Max. Switching Current…….……30A
- Contact Resistance…..……≤50mΩ
- Rating Load……30A/250VAC
  ..……..30A/28VDC
- Contact Material…… Ag Alloy

CHARACTERISTICS

- Electrical Life…… 1×10^5
- Mechanical Life……. 1×10^6
- Initial Insulation Resistance……Min. 1000MΩ 500VDC
- Contact Resistance (Initial)……≤50mΩ
- Operate Time……..≤10ms
- Release Time……..≤8ms
- Initial Dielectric Strength
  ……..50/60Hz 1200VAC 1 min. (between open contacts)
  ……..50/60Hz 4000VAC 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℃～＋70℃
- Relative Humidity……..…..85% at 40℃
- Unit Weight…….Approx. 55g

ORDERING INFORMATION

949 - 1A - 6 D P

1 2 3 4 5

Terminal Form……Nil = General Type (Top: Tab Terminal)

.....P = Top: Tab Terminal (Bottom: P.C.B. Terminal)

Coil Type ……...DC

Coil Voltage…… ……...6~48V

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

Model Number…….949

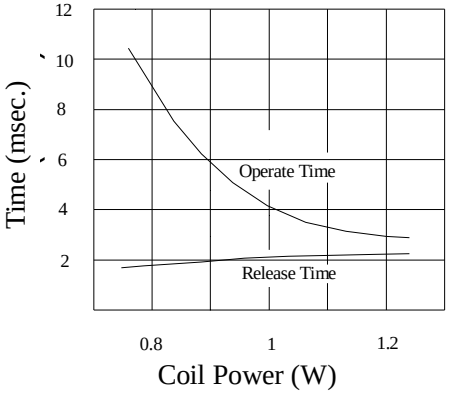
COIL RATINGS (at 20℃)

COIL TYPE	Coil Nominal Voltage (V)	Coil Resistance (Ω ±10%)	Pick-Up Voltage (V) ⩽	Drop-Out Voltage (V) ⩾	Nominal Current (mA)
DC Standard Coils	6	30	4.5	0.6	200
	12	120	9	1.2	100
	18	270	13.5	1.8	66.7
	24	480	18	2.4	50
	48	1920	36	4.8	25

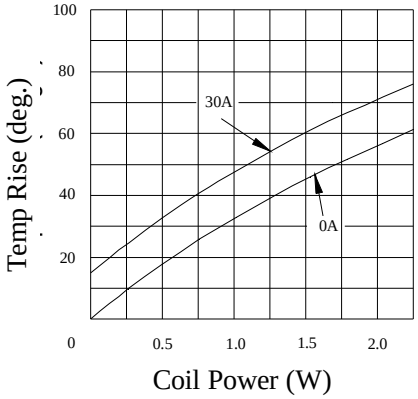
* Max Continuous Voltage at 20℃: 110% of Coil Nominal Voltage.

Referential Data

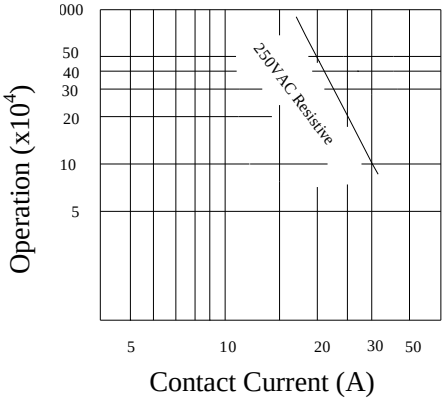
Timing



Coil Temperature Rise



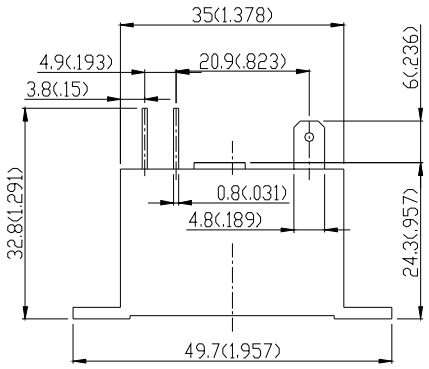
Life Curves

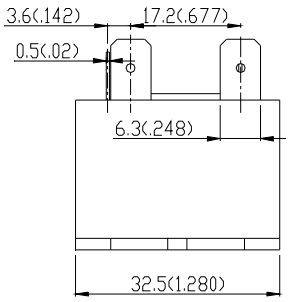


OUTLINE DIMENSIONS

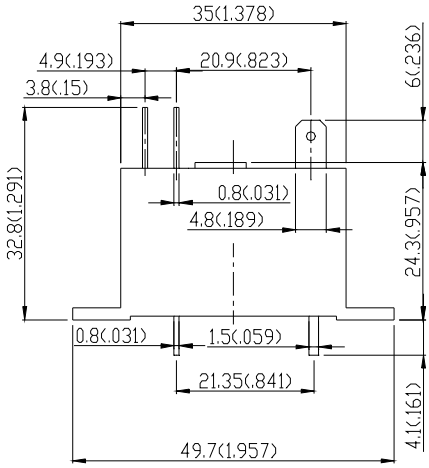
Dimensions

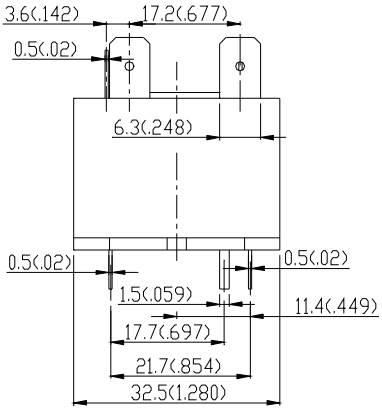
General Type





P Type

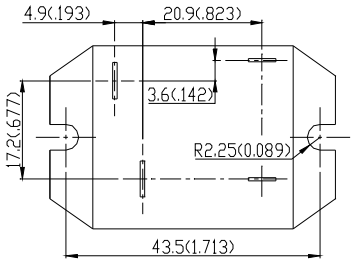


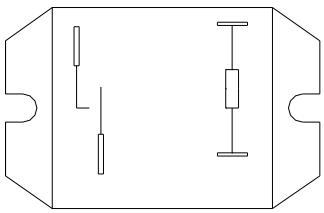


Internal Connections
(Top View)

Drilling Plan
(Top View)

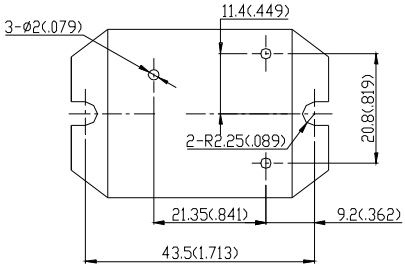
General Type





(Bottom View)

P Type



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

UNIT： mm (inch)