

FEATURES

- UL safety approval.
- 10 Amps small size relay.
- 1A (SPST-NO), 1C (SPDT) arrangements.
- Standard coils consume low power in small package.
- Surge Strength : 4000VAC
- Nominal power 450mW~330mW.
- Operating power 250mW~200mW.
- Printed circuit terminals-fits grid with 2.54mm.
- Washable type.

CONTACT RATINGS

- Contact Arrangement1 Form A (SPST-NO)
.....1 Form C (SPDT)
- Max. Switching Power.....1200VA 280W
- Max. Switching Voltage.....240VAC 28VDC
- Max. Switching Current.....10A
- Contact Resistance..... $\leq 50\text{m}\Omega$
- Rating Load.....10A/120VAC 10A/28VDC
5A/240VAC
- Contact MaterialAg Alloy

CHARACTERISTICS

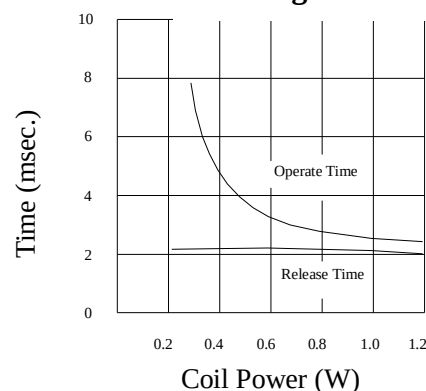
- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance.....Min. 100M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 50\text{m}\Omega$
- Operate Time..... $\leq 7\text{ms}$
- Release Time..... $\leq 5\text{ms}$
- Initial Dielectric Strength
.....50/60Hz 750VAC 1 min. (between open contacts)
.....50/60Hz 2000VAC 1 min. (between contacts and coil)
- High Dielectric Strength
.....50/60Hz 1500VAC 1 min. (between open contact)
.....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..... $-55^\circ\text{C} \sim +70^\circ\text{C}$
- Relative Humidity.....85% at 40°C
- Unit Weight.....Approx. 7.7g



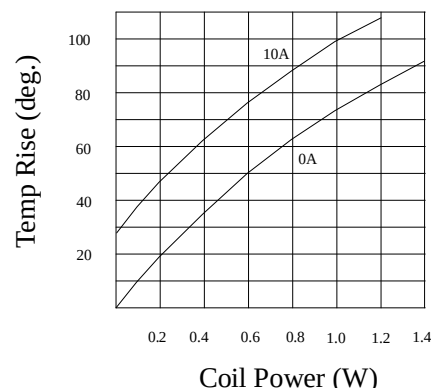
UL FILE NO: E162117

957 Referential Data

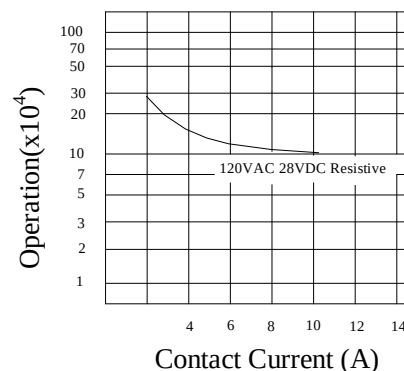
Timing



Coil Temperature Rise



Life Curves



ORDERING INFORMATION

957 H -1C - 12 D S G- HV
1 2 3 4 5 6 7 8

Surge Strength.....Nil = Standard Type
.....HV = High Dielectric Strength Type

Contact Material.....Nil = General Contact
.....G = Contact With Gold Plating

Enclosure.....Nil = General Type ; S = Sealed Type

Coil Type.....D: DC

Coil Voltage.....3V ~ 48V

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

Coil Sensitivity..... Nil = Standard Type ; H = High Sensitive Type

Model Number.....957

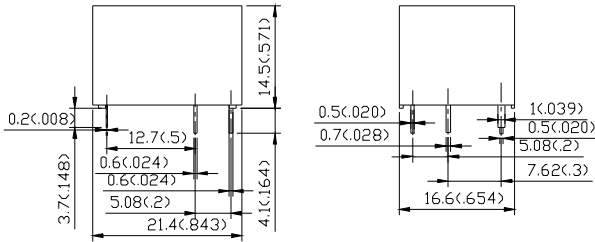
COIL RATINGS (at 20℃)

COIL TYPE	Coil Nominal Voltage (V)	Coil Resistance (Ω ± 10%)	Pick-Up Voltage (V) ≤	Drop-Out Voltage (V) ≥	Nominal Current (mA)
DC Standard Coils	3	20	2.25	0.3	150
	5	56	3.75	0.5	89.3
	6	80	4.5	0.6	75
	9	180	6.75	0.9	50
	12	320	9	1.2	37.5
	24	1150	18	2.4	20.9
	48	4600	36	4.8	10.4
DC High Sensitive Coils	3	27	2.25	0.30	111
	5	80	3.75	0.50	62.5
	6	110	4.50	0.60	54.5
	9	250	6.75	0.90	36
	12	440	9.00	1.20	27
	24	1760	18.00	2.40	13.5
	48	6980	36.00	4.80	9.2

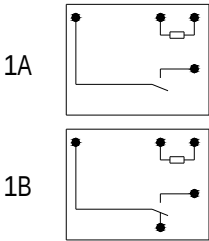
* Max Continuous Voltage at 20℃： 110% of Coil Nominal Voltage.

OUTLINE DIMENSIONS

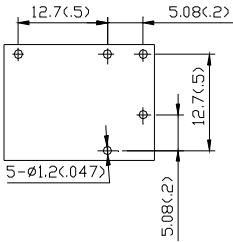
Dimensions



Internal Connections
(Bottom View)



Drilling Plan
(Bottom View)



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

UNIT: mm (inch)