

FEATURES

- Surge current up to 250A.
- Nominal power 930mW.
- Operating power 520mW.
- Both PCB terminal & Quick Connect Terminal for contacts.



CONTACT RATINGS

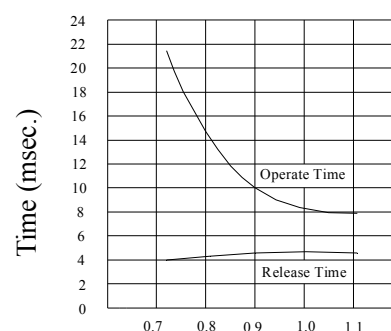
- Contact Arrangement1 Form A (SPST-NO)
.....1 Form B (SPST-NC)
.....1 Form C (SPDT)
- Max. Switching Power.....1680W
- Max. Switching Voltage.....24VDC
- Max. Switching Current.....70A
- Inrush Current.....250A
- Contact Resistance..... $\leq 50m\Omega$
- Resistive Load.....70A/ 24VDC
- Contact Material.....Ag Alloy

CHARACTERISTICS

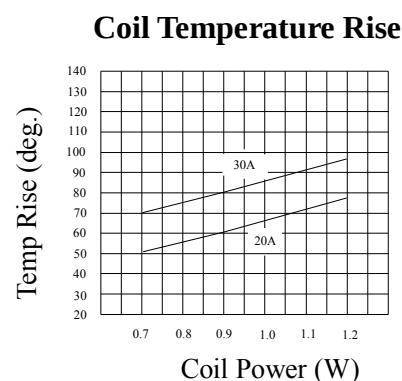
- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance.....Min. 500M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 50m\Omega$
- Operate Time..... $\leq 15ms$
- Release Time..... $\leq 15ms$
- Initial Dielectric Strength
.....50/60Hz 1500VAC 1 min. (between open contact)
.....50/60Hz 2500VAC 1 min. (between all conductors)
- 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..... $-55^{\circ}C \sim +85^{\circ}C$
- Relative Humidity.....85% at $40^{\circ}C$
- Unit Weight Approx.28g

953BH Referential Data

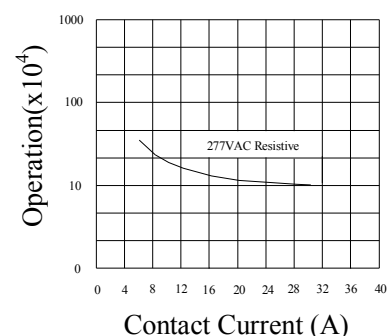
Timing



Coil Temperature Rise



Life Curves



ORDERING INFORMATION

953 - 1C - 12 D BH F
1 2 3 4 5 6

Type of Insulation..... Nil = Class B

.....F = Class F

Enclosure Connect Type.....BH = Double Connect II Type and High Rating

Coil Type.....D: DC

Coil Voltage.....DC: 12V、24V

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

.....1B = 1 Form B (SPST-NC)

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

Model Number.....953

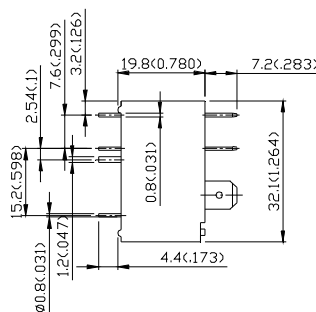
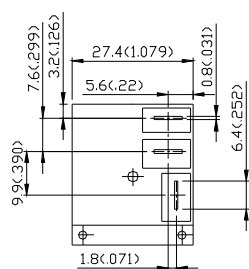
COIL RATINGS(at 20℃)

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	12	155	9	1.2	77
	24	660	18	2.4	36

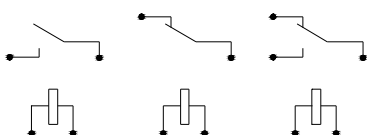
* Max Continuous Voltage at 20℃: 110% of Coil Nominal Voltage.

OUTLINE DIMENSIONS

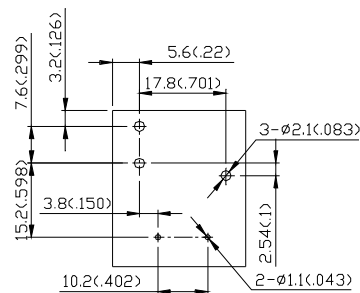
Dimensions



Drilling Plan (Bottom View)



Internal Connections (Bottom View)



REMARK: Tolerance of outline dimensions: $\pm 0.2(0.008)$.

UNIT: mm (inch)