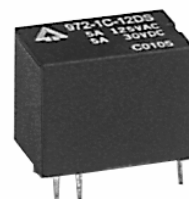


972 Series Relay

FEATURES

- CQC safety approval.
- 5 Amps super miniature relay.
- Surge strength: 1500 VAC.
- 1 Form C (SPDT) contact.
- High sensitivity in small package.
- Nominal power 360mW.
- Operating power 200mW.
- DIL pitch terminal.
- Washable type.



CQC FILE NO: CQC03001007007

CONTACT RATINGS

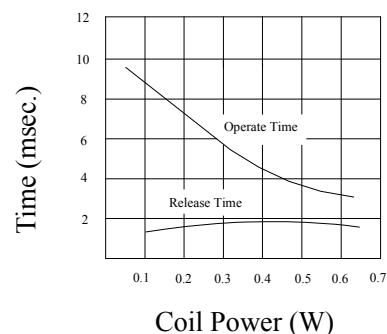
- Contact Arrangement..... 1 Form C (SPDT)
- Max. Switching Power..... 625VA 150W
- Max. Switching Voltage..... 250VAC 30VDC
- Max. Switching Current..... 5A
- Contact Resistance..... $\leq 100\text{m}\Omega$
- Rating Load..... 5A/125VAC
..... 3A/250VAC
..... 5A/30VDC
- Contact Material..... Ag Alloy

CHARACTERISTICS

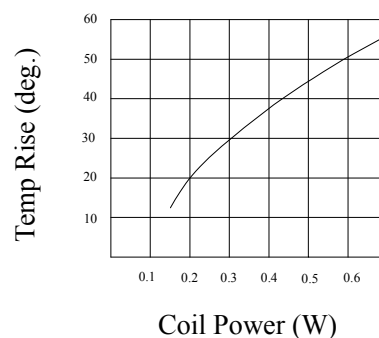
- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance
..... Min. 100M Ω 500VDC
- Contact Resistance (Initial)..... $\leq 100\text{m}\Omega$
- Operate Time..... $\leq 6\text{ms}$
- Release Time..... $\leq 3\text{ms}$
- Initial Dielectric Strength
..... 50/60Hz 500VAC 1 min. (between open contacts)
..... 50/60Hz 500VAC 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..... $-20^\circ\text{C} \sim +40^\circ\text{C}$
- Relative Humidity..... 85% at 40°C
- Unit Weight..... Approx. 3g

972 Referential Data

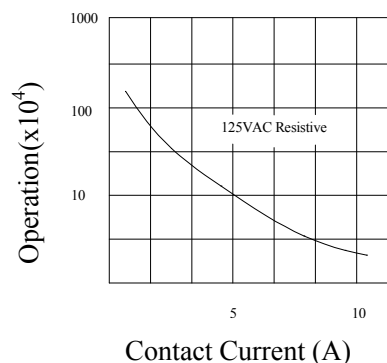
Timing



Coil Temperature Rise



Life Curves



ORDERING INFORMATION

972 -1C -6 D S -F
1 2 3 4 5 6

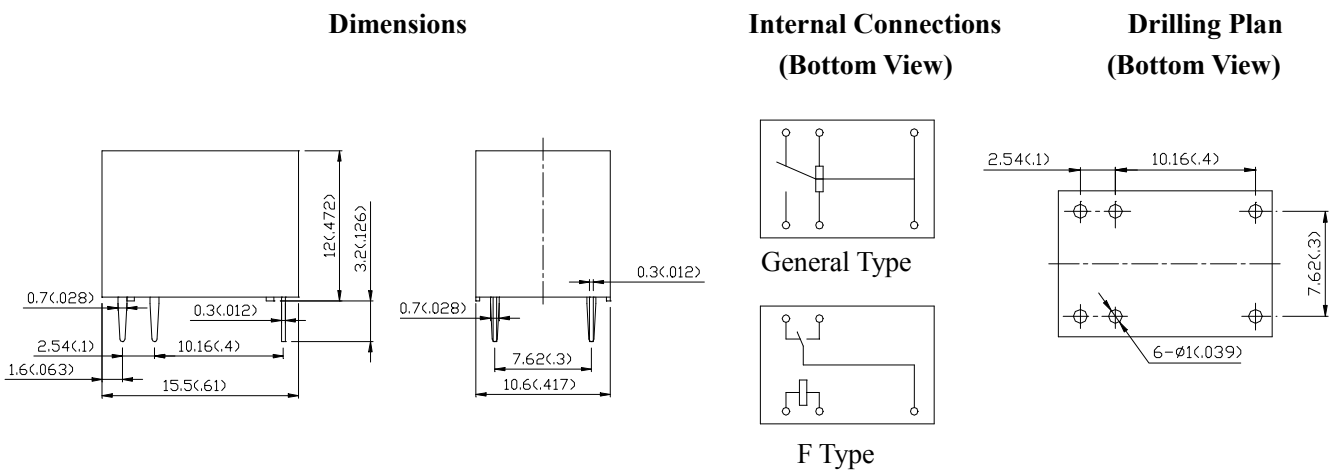
Terminal arrangement..... Nil = General Type
.....F = Movable contact terminal & Coil terminal at one side
Enclosure.....Nil = General Type
.....S = Sealed Type
Coil Type.....D: DC
Coil Voltage.....3~24V
Contact Arrangement.....1C = 1 Form C (SPDT)
Model Number.....972

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	25	2.25	0.3	120
	5	70	3.75	0.5	71.4
	6	100	4.5	0.6	60
	9	220	6.75	0.9	40.9
	12	400	9	1.2	30
	24	1600	18	2.4	15

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

OUTLINE DIMENSIONS



REMARK: Tolerance of outline dimensions: ±0.1(0.004).

UNIT: mm (inch)