

FEATURES

- UL ,CE & CQC safety approval.
- 1 Pole and 2 Pole types are available with switching current of 16A (1Pole) and 10A (2 Pole).
- PCB terminal and Socket terminal are selectable, and for direct panel mount, flange case type is available.
- Nominal power DC 900mW & AC 1.2VA.
- Operating power DC 510mW.
- Either with or without lamp is optional for AC& DC coil.
- Low coil power consumption with high response time.

CONTACT RATINGS

- Contact Arrangement.....1 Form A(SPST-NO)
.....1 Form B(SPST-NC)
.....1 Form C(SPDT)
.....2 Form C(DPDT)

● Max. Switching Power

1 Form A	5000VA 600W
1 Form B.....	4000VA 480W
1 Form C.....	4000VA 480W
2 Form C.....	2500VA 300W

● Max. Switching Voltage.....250VAC 30VDC

● Max. Switching Current

1 Form A	20A
1 Form B.....	16A
1 Form C.....	16A
2 Form C.....	10A

● Contact Resistance..... $\leq 50m\Omega$

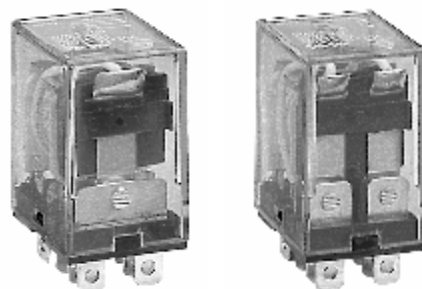
● Rating Load

1 Form A	20A/250VAC	16A/30VDC
1 Form B.....	16A/250VAC	16A/30VDC
1 Form C.....	16A/250VAC	16A/30VDC
2 Form C	10A/250VAC	10A/30VDC

● Contact MaterialAg Alloy

CHARACTERISTICS

- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance
.....Min. 100M Ω 500VDC
- Contact Resistance (Initial)... $\leq 100m\Omega$

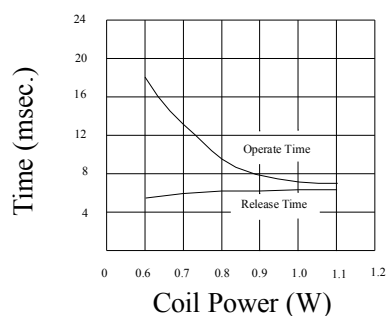


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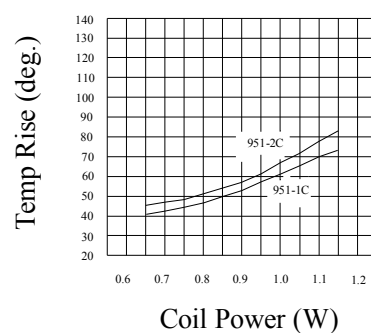
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CE DECLARATIN OF CONFORMITY

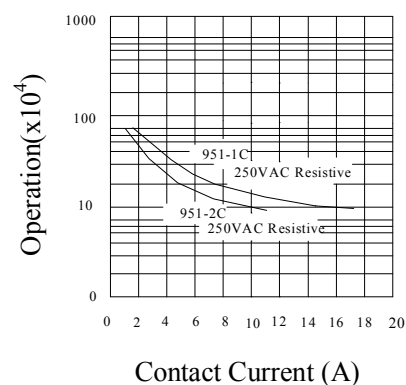
951(1C、2C) Referential Data Timing



Coil Temperature Rise



Life Curves



- Operate Time..... $\leq 25\text{ms}$
- Release Time..... $\leq 25\text{ms}$
- Initial Dielectric Strength
 -50/60Hz 500VAC 1 min. (between open contacts)
 -50/60Hz 1500VAC 1 min. (between contacts and coil)
 -50/60Hz 1500VAC 1 min. (between contact sets)
- 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..... $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- Relative Humidity..... 85% at 40°C
- Unit Weight.....Approx. 35g

ORDERING INFORMATION

951-1C -12 D P M L -G- F
 1 2 3 4 5 6 7 8 9

Type of Insulation..... Nil = Class A

.....F = Class F

Contact Material..... Nil = General Type

G = Contact with Gold Plating

Optional..... Nil = General Type

.....L = With Lamp and Diode (DC Coil Type Only)

.....N = With Lamp

.....B = With Push Button

.....T = With Lamp and Push Button

.....K = With Lamp and Diode and Push Button

(DC Coil Type Only)

Cover Type..... Nil = General Type

.....M = Flange Top Type

.....S = Special Type

.....E = Special Flange Top Type

Terminal Type..... Nil = Socket Terminal

.....P = P.C.B. Terminal

Coil Type.....D: DC

.....A: AC

Coil Voltage..... DC: 6~100V

.....AC: 12~270V

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

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

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

.....2C = 2 Form C (DPDT)

Model Number.....951

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	6	40	4.5	0.6	150
	12	160	9	1.2	75
	24	650	18	2.4	37
	48	2600	36	4.8	19
	100	11000	75	10	9
Standard Coils	12	46	9	3.6	
	24	180	18	7.2	
	110	3750	82.5	33	
	120	4430	90	36	
	220	12950	165	66	
	240	18790	180	72	
	270	24150	202.5	81	

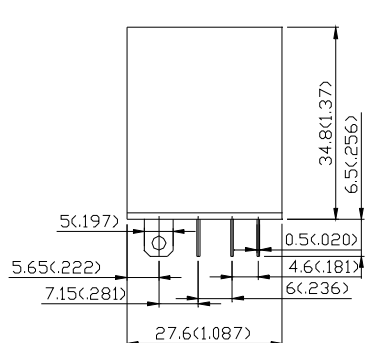
* Max Continuous Voltage at 20°C: 110% of Coil Nominal Voltage.

OUTLINE DIMENSIONS

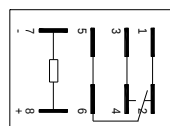
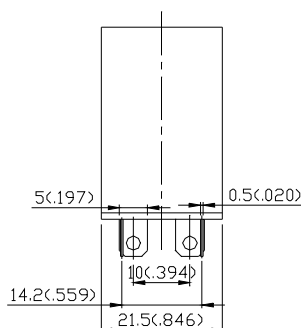
Dimensions

Internal Connections
(Bottom View)

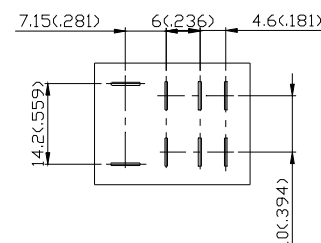
Drilling Plan
(Bottom View)



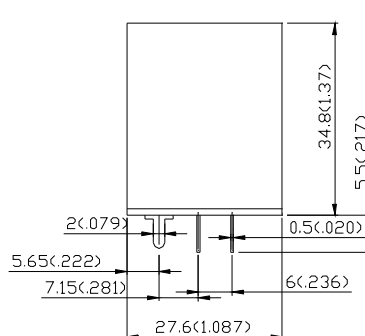
General Type



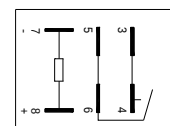
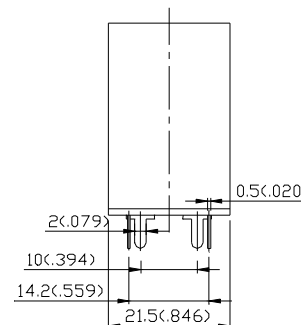
1 Form C



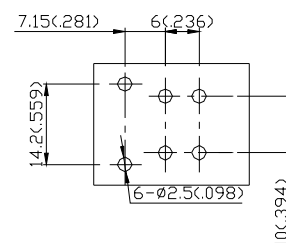
General Type



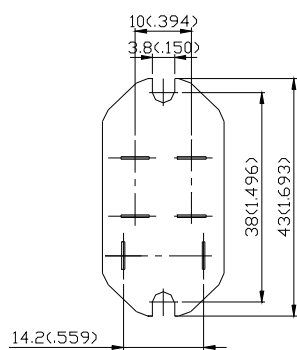
P.C.B Type



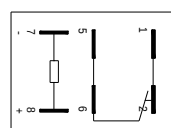
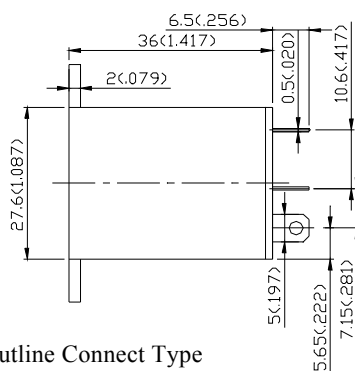
1 Form A



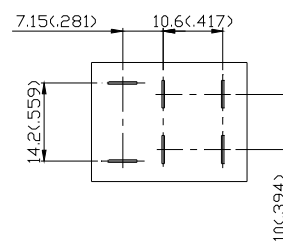
P.C.B Type



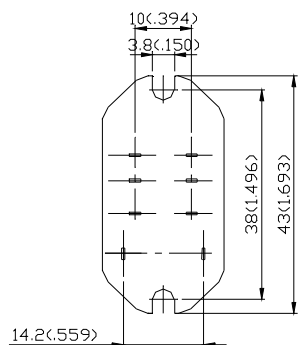
Outline Connect Type



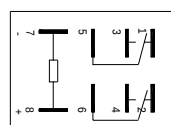
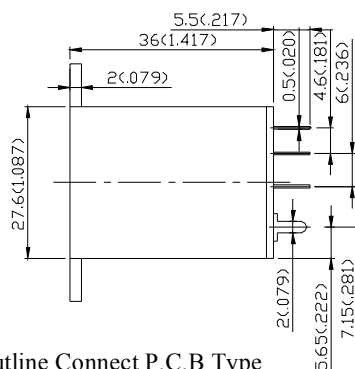
1 Form B



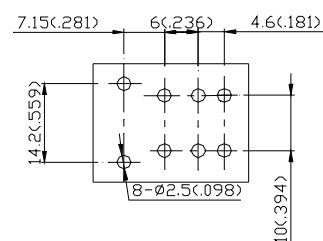
Outline Connect Type



Outline Connect P.C.B Type



2 Form C



Outline Connect P.C.B Type

REMARK: 1.Tolerance of outline dimensions: $\pm 0.2(.008)$.

2.The polarity of coil is only applied for DL, DN, DPL and DPN type.

UNIT: mm (inch)