

Power Relay

NY

Features

- 30A contact change-over capacity
- With opening and dust-proof type
- 2500V dielectric strength (between coil and contacts)
- Various terminals available
- 1 & 2 poles configurations



1. COIL DATA (at 23°C)

1) DC Type

Nominal Voltage (VDC)	Pick-up Voltage (VDC)	Drop-out Voltage (VDC)	Coil Resistance (Ω)	Coil Power (W)
6	4.80	0.60	30 x (1 $\pm$ 10%)	Approx. 2.5
12	9.60	1.20	120 x (1 $\pm$ 10%)	
24	19.0	2.40	330 x (1 $\pm$ 10%)	
48	38.4	4.80	1820 x (1 $\pm$ 10%)	
60	48.0	6.00	2800 x (1 $\pm$ 10%)	
110	88.0	11.0	9650 x (1 $\pm$ 10%)	

2) AC Type

Nominal Voltage (VAC)	Pick-up Voltage (VAC)	Drop-out Voltage (VAC)	Coil Resistance (Ω)	Coil Power (VA)
12	9.60	3.60	11.2 x (1 $\pm$ 10%)	Approx. 4
24	19.2	7.20	4.5 x (1 $\pm$ 10%)	
48	38.4	14.4	100 x (1 $\pm$ 10%)	
110	88.0	36.0	940 x (1 $\pm$ 10%)	
220	176	72.0	3764 x (1 $\pm$ 10%)	
240	176	72	5050 x (1 $\pm$ 10%)	

2. CONTACT DATA

Contact Arrangement	1 Form C, 2 Form C	
Contact Resistance	100mΩ max. (at 1A 6VDC)	
Contact Material	AgSnO ₂	
Contact Ratings (Resistive load)	30A 250VAC / 28VDC	
Max. Switching Voltage	250VAC / 28VDC	
Max. Switching Current	30A	
Max. Switching Power	7500VA / 840W	
Life Expectancy	Electrical*	10,000 operations
	Mechanical	10,000,000 operations

Notes: *Please refer to life expectancy on characteristic curves.

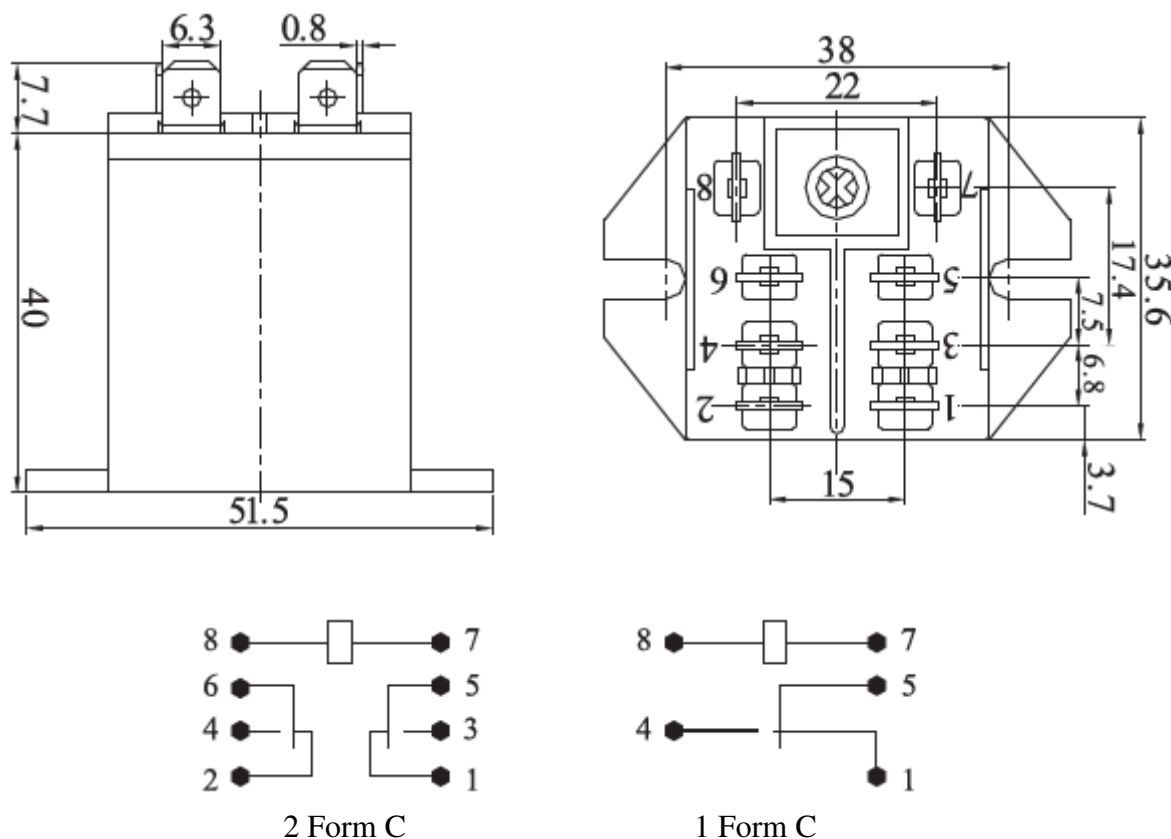
3. CHARACTERISTICS

Insulation Resistance	1000MΩ (at 500VDC)	
Dielectric Strength	Open Contacts	1200VAC 1min
	Coil and Contacts	2500VAC 1min
Operate Time (at nominal voltage)	20ms max.	
Release Time (at nominal voltage)	15ms max.	
Termination	QC	
Temperature Range	-40℃ ~ 70℃	
Weight	Approx. 70g	
Outline dimension (L x W x H)	50.0 x 35.6 x 47.7mm	

4. ORDERING INFORMATION

<u>NY</u> <u>1</u> - <u>A220</u> ① ② ③	
① Relay Model	NY
② Contact Arrangement	1: 1 Form C (SPDT) 2: 2 Form C (DPDT)
③ Coil Voltage	DC : D6=6VDC, D12=12VDC, D24=24VDC, D48=48VDC, D60=60VDC, D110=110VDC AC: A12=12VAC, A24=24VAC, A48=48VAC, A110=110VAC, A220=220VAC, A240=240VAC

5. DIMENSIONS (Unit: mm)



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm, tolerance should be ± 0.2 mm; outline dimension > 1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension > 5 mm, tolerance should be ± 0.4 mm.
2) The tolerance without indicating for PCB layout is always ± 0.1 mm.

6. CHARACTERISTIC CURVES

