

TNA SERIES

ORDER CODE

TNA-1C-12-10-L

□: 0.72W
L: 0.54W

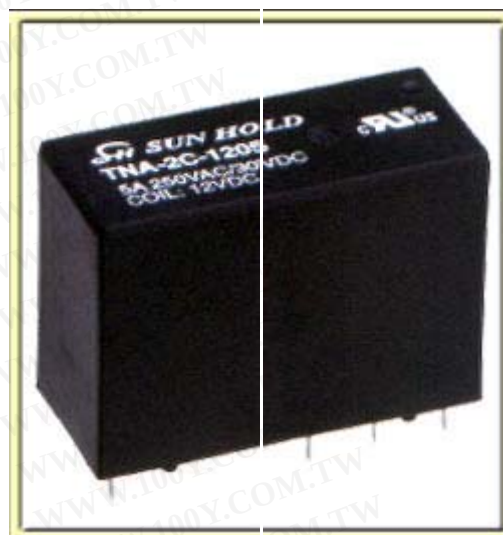
05: 5A (2e)
10: 10A (1e)
16: 16A (1e)

COIL VOLTAGE

1A: 1e
1B: 1b
1C: 1e
2A: 2e
2C: 2e

TYPE

03: DC 3V
05: DC 5V
06: DC 6V
09: DC 9V
12: DC 12V
24: DC 24V
48: DC 48V



Main Features:

- UL approval.
- Plastic sealed type is available for washing procedure.
- 2 pole 5A 1 pole 10A & 16A.
- Dielectric strength: 5,000VAC.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

COIL RATING (at 20°C)

NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω) (+/- 10%)	POWER CONSUMPTION (W)	NOMINAL CURRENT (mA) (+/- 10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
3V	12.5 Ω	0.72W	240.0 mA	70 % MAX.	5 % MIN.	110 %
5V	36.0 Ω		138.9 mA			
6V	50.0 Ω		120.0 mA			
9V	115.0 Ω		78.3 mA			
12V	200.0 Ω		60.0 mA			
24V	820.0 Ω		29.2 mA			
48V	3300.0 Ω		14.5 mA			

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L	3V	17 Ω	0.54W	176.4 mA	80 % MAX.	5 % MIN.	110 %
	5V	50 Ω		100.0 mA			
	6V	68 Ω		88.2 mA			
	9V	155 Ω		58.1 mA			
	12V	270 Ω		44.4 mA			
	24V	1100 Ω		21.8 mA			
	48V	4400 Ω		10.9 mA			

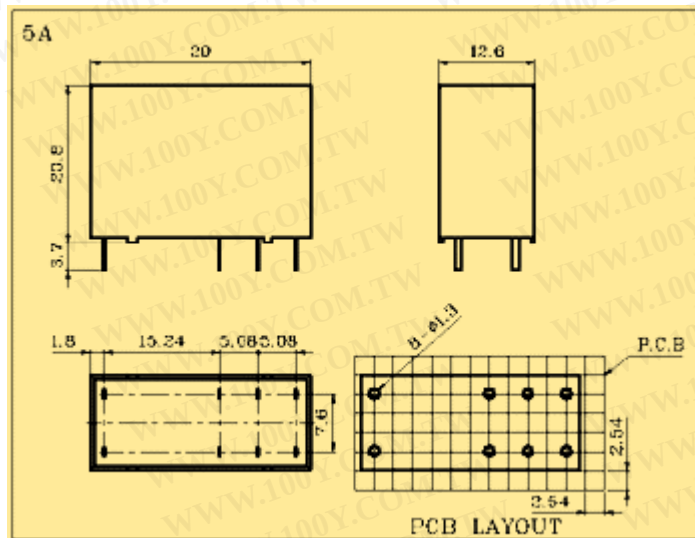
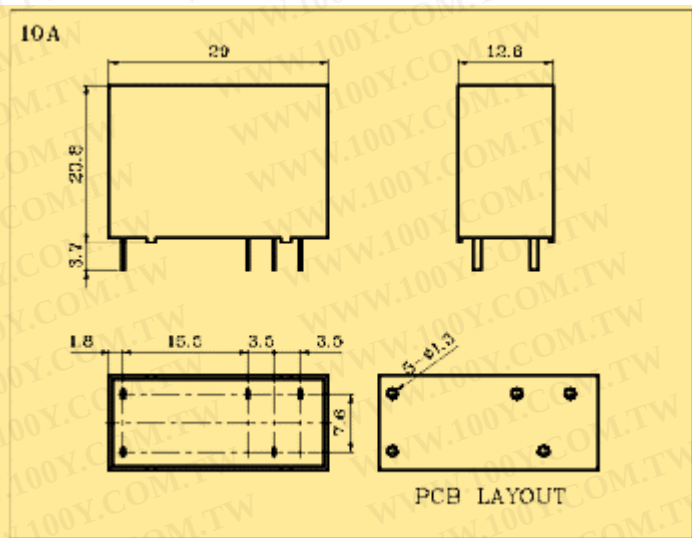
PERFORMANCE (at initial value)

Item	Type	5A (2c)	10A(1c)	16A(1c)
Contact Resistance		100mΩ Max. (initial value)		
Operate Time		15msec Max.		
Release Time		8msec Max.		
Dielectric Strength		AC 5000V (1min) AC 1000V (1min)		
	between coil & contact between contact			
Insulation Resistance		100MΩ Min.(DC 500V)		
Operating Ambient Temperature		-30°C ~ +70°C		
Humidity		35 to 85% RH		
Vibration Resistance		10G (10~55 Hz)(Dual amplitude: 1.5mm)		
Shock Resistance		10G		
Life Expectancy		10,000,000 ops. Min. (1800 ops./h) 100,000 ops. Min. (1200 ops./h)		
	Mechanically Electrically			

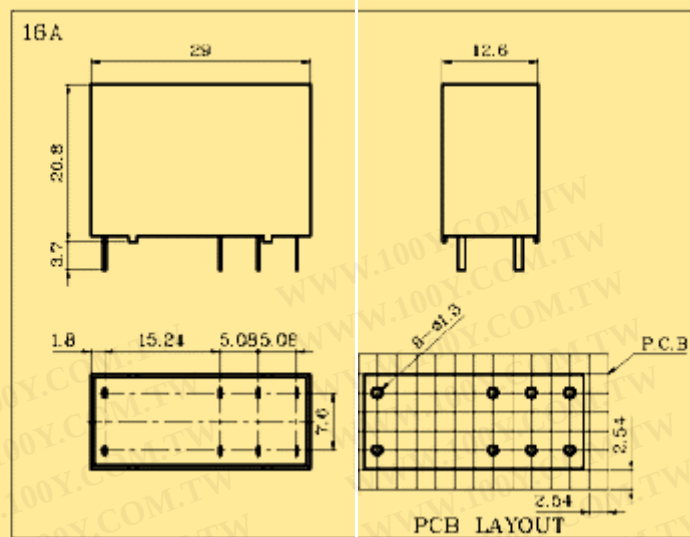
CONTACT RATING

Item	Type	5A (2c)	10A(1c)	16A(1c)
Rated Carrying Current		AC 250V 5A DC 30V 5A	AC 250V 10A DC 30V 10A	AC 250V 16A DC 30V 16A
Max. Allowable Current		10A		
Max. Allowable Voltage		AC 250V DC 150V		
Max. Current (continual)		5A	10A	16A
Min. Allowable Power		1250VA, 120W	2500VA, 300W	3840VA, 480W
Contact Material		Ag alloy		

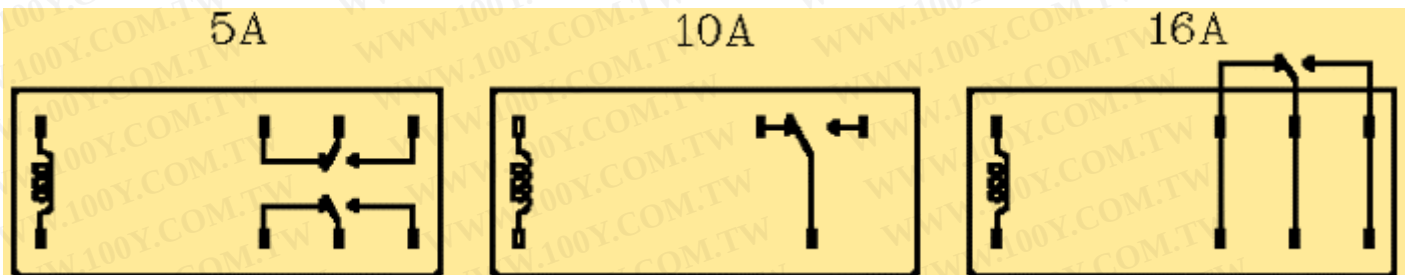
DIMENSIONS (Unit : mm)



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WIRING DIAGRAMS (Bottom View)



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