

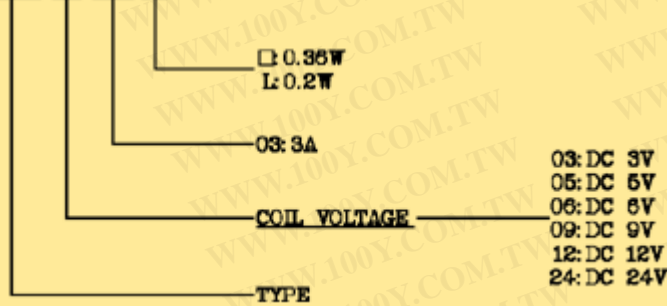
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

# THU SERIES

## THU SERIES

ORDER CODE

THU-12-02-L



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



**Main Features:**

- UL & CUR safety approval.
- Subminiature single pole Relay.
- Standard (360mw) & High sensitive (201mw) type.
- Plastic sealed type is prepared for washing procedure.

### 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	25 Ω	0.36W	120 mA	70% MAX.	10 % MIN.	130 %
5V	69 Ω		72 mA			
6V	100 Ω		60 mA			
9V	225 Ω		40 mA			
12V	400 Ω		30 mA			
24V	1600 Ω		15 mA			

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	45 Ω		66.7 mA			

L	5V	120 $\Omega$	0.2W	41.7 mA	70% MAX.	10 % MIN.	130 %
	6V	180 $\Omega$		33.3 mA			
	9V	400 $\Omega$		22.5 mA			
	12V	700 $\Omega$		17.0 mA			
	24V	2800 $\Omega$		8.6 mA			

## PERFORMANCE (at initial value)

Item	Type	3A
Contact Resistance		50m $\Omega$ Max. (initial value)
Operate Time		5msec Max.
Release Time		5msec Max.
Dielectric Strength	between coil & contact between contact	AC 1500V (1min) AC 1000V (1min)
Insrlation Resistance		100M $\Omega$ Min.(DC 500V)
Operating Ambient Temperature		-25°C ~ +55°C
Humidity		35 to 85% RH
Vibration Resistance		10G (10~55Hz)(Dual amplitude: 1.5mm)
Shock Resistance		10G
Life Expectancy	Mechanically Electrically	10,000,000 ops. Min. (1800 ops./h) 100,000 ops. Min. (1200 ops./h)
Weight		3.5g (about)

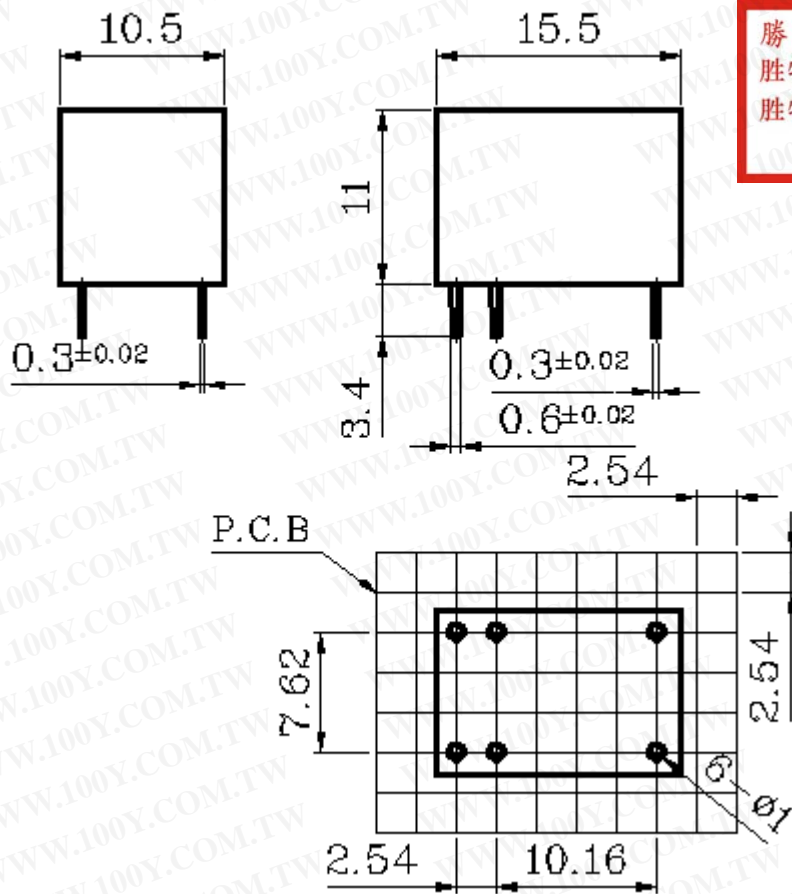
## CONTACT RATING

Item	Type	3A
Rated Carrying Current		DC 24V 3A DC 30V 1A AC 120V 2A
Max. Allowable Current		3A
Max. Allowable Voltage		AC 120V DC 60V
Max. Current (continual)		3A
Min. Load		DC 5V 10mA
Contact Material		Ag alloy

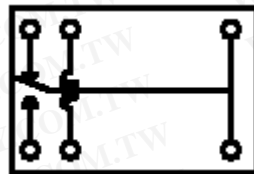
## DIMENSIONS (Unit : mm)

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### WIRING DIAGRAMS (Bottom View)



### REFERENCE DATA

