

THU SERIES

ORDER CODE

THU-12-03-L

□ 0.36W
I: 0.2W

03: 3A

COIL VOLTAGE

TYPE

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 Consumpt -10N(W)	Nominal Current (mA) (+/-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
3V	25Ω	0.36W	120mA	70% Max.	10% Min.	130%
5V	69Ω		72mA			
6V	100Ω		60mA			
9V	225Ω		40mA			
12V	400Ω		30mA			
24V	1600Ω		15mA			

L	Nominal Voltage (VDC)	COIL Resistance (Ω)(+/-10%)	Power Consumpt -10N(W)	Nominal Current (mA) (+/-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
	3V	45Ω	0.2W	66.7mA	75% Max.	10% Min.	130%
	5V	120Ω		41.7mA			
	6V	180Ω		33.3mA			
	9V	400Ω		22.5mA			
	12V	700Ω		17.0mA			
	24V	2800Ω		8.6mA			

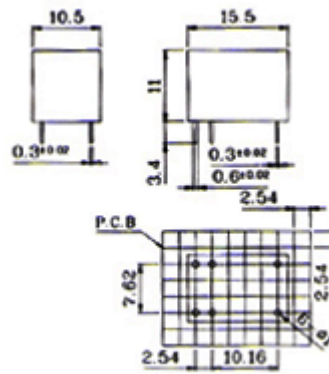
PERFORMANCE (at initial value)

Item \ Type	3A
Contact Resistance	50m Ω Max (initial value)
Operate Time	5m sec Max.
Release Time	5m sec Max.
Dielectric Strength between coil & contact between contact	Ac1500V (1min.) Ac1000V (1min.)
Insulation Resistance	100M Ω Min. (DC500V)
Operating Ambient Temperature	-25°C ~ +55°C
Humidity	35 to 85% RH
Vibration Resistance	10G (10~50Hz) (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)

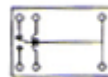
CONTACT RATING

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)



WIRING DIAGRAMS (Bottom View)



REFERENCE DATA

