



# TRI H

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

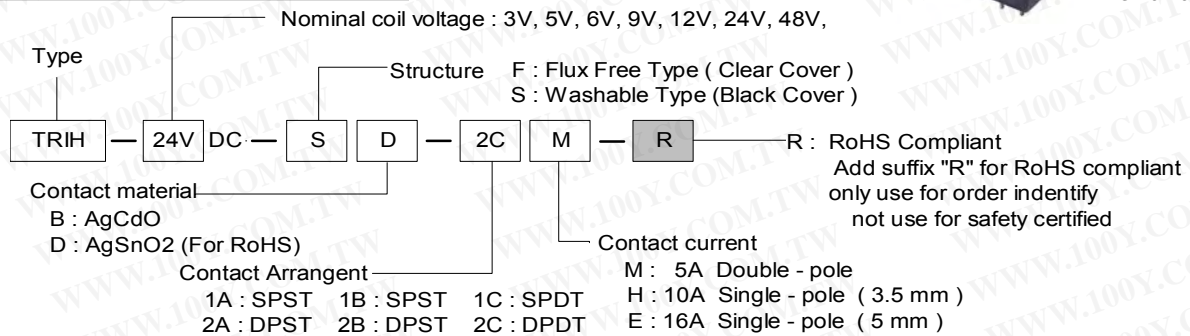
## MAIN FEATURES

- Miniature heavy-duty relays
- Single-Pole, 10 Amp PC Board
- SPST and SPDT configurations
- 5KV dielectric coil to contacts
- Sealed & Unsealed types available
- UL、cUL and TUV recognized.

## APPLICATIONS

- Microwave Ovens, Facsimiles, Refrigerators  
Air Conditioners, Stereo Equipment,  
Copier, TV Set, Vending Machines,  
Temperature Controllers, etc.

## ORDERING INFORMATION



### Option Socket :

Please refer appendix P102

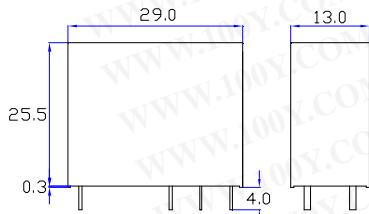


- OD07-0017A
- OD07-0018A
- OD07-0019A
- OD07-0020A

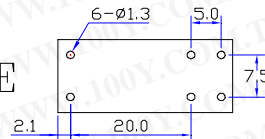
## DIMENSION (unit:mm)

## DRILLING (unit:mm)

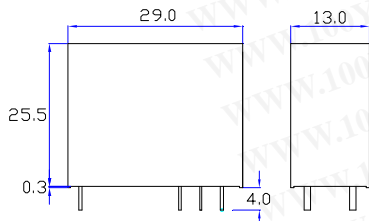
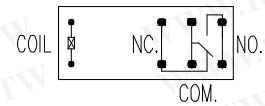
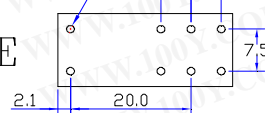
## WIRING DIAGRAM



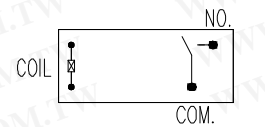
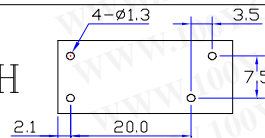
TRIH-1AE



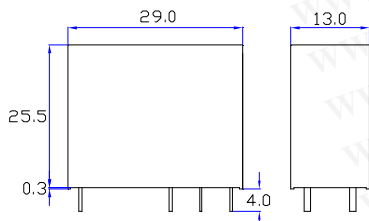
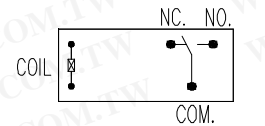
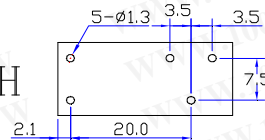
TRIH-1CE



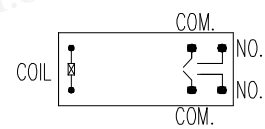
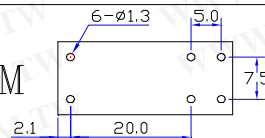
TRIH-1AH



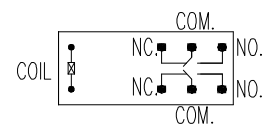
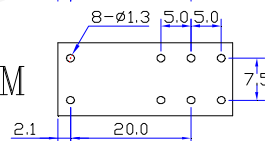
TRIH-1CH



TRIH-2AM



TRIH-2CM



## ➤ COIL DATA CHART(AT20°C)

Nominal Voltage (VDC)	Nominal Current (mA ±10%)	Coil Resistance ( $\Omega$ ±10%)	Power Consumption (mW)	Pick-Up Voltage VDC(Max.)	Drop-out Voltage VDC(Min.)	allowable Voltage VDC (Max.)
3	176	17	Approx. 530	80% Max.	10% Min. of nominal voltage	110% of nominal voltage
5	106	47				
6	88.2	68				
9	56.2	160				
12	43.6	275				
24	21.8	1100±15%				
48	11.5	4170±15%				

## ➤ CONTACT RATING

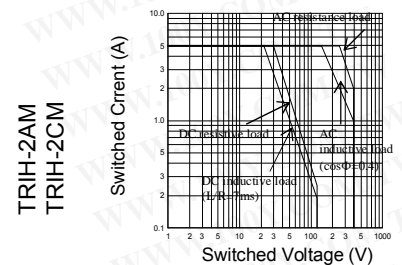
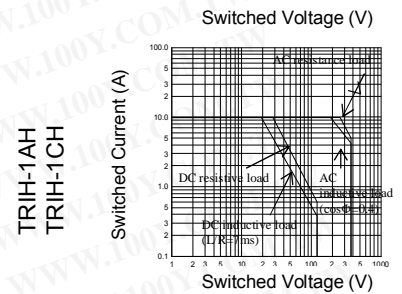
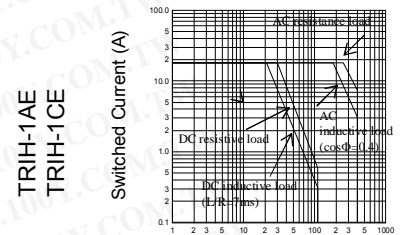
Item	Arrangement	E-Type		H-Type		M-Type	
		SPST-NO. (1 Form A)	SPDT (1 Form C)	SPST-NO. (1 Form A)	SPDT (1 Form C)	DPST-NO. (2 Form A)	DPDT (2 Form C)
Resistive load (cos $\Phi$ =1)	UL	16A 277VAC 20A 24VDC 12A 277VAC 1HP 240VAC 20A 277VAC(N.O.) TV-8 125VAC(N.O.)		10A 277VAC 10A 30VDC TV-5 125VAC 1/3HP 250VAC 1/4HP 125VAC		10A 250VAC 10A 30VDC 8A 30VDC TV-3 125VAC 1/4HP 240VAC 1/8HP 120VAC	
	TUV	16A 250VAC 16A 30VDC		10A 250VAC 10A 30VDC		5A 250VAC 5A 30VDC	
Carrying current		16A		10A		5A	
Max. switching voltage		277VAC, 30VDC		277VAC, 30VDC		250VAC, 30VDC	
Max. switching current		16A		10A		5A	
Max. switching power		4000VA 300W	2000VA 192W	2500VA 300W	1875VA 150W	1250VA 150W	500VA 90W
Min. permissible load		DC 5V 100mA				DC 5V 10mA	
Contact material		Ag Alloy					

## ➤ PERFORMANCE (at initial value)

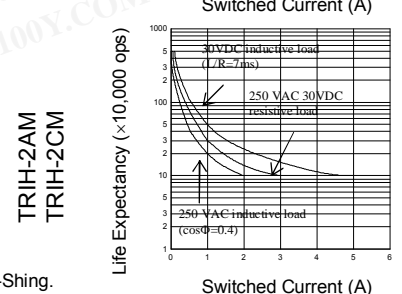
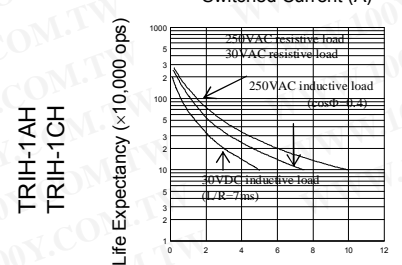
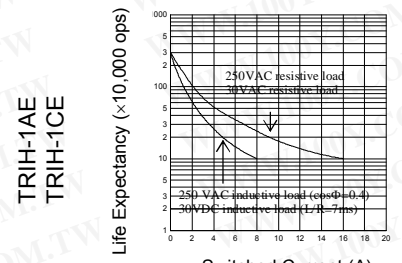
Item	Type	TRIH
Contact Resistance		50m $\Omega$ Max.
Operation time		15msec Max. (at nominal voltage)
Release time		10msec Max. (at nominal voltage)
Dielectric strength		between coil & contact. 5000VAC. for 1minute between contact sets. 3000VAC. for 1minute between open contacts. 1000VAC. for 1minute
Insulation Resistance		100M $\Omega$ Min. (at 500VDC)
Operating frequency		20 ops/minute
Ambient temperature		
Storage		-40°C to +70°C
Operating		-40°C to +70°C
Humidity		35% to 85% RH
Vibration resistance		10 to 55 Hz, 1.5mm double amplitude
Shock resistance		
Functional :		98m/s <sup>2</sup>
Destructive :		980m/s <sup>2</sup>
Life expectancy		
Mechanical :		1 x 10 <sup>7</sup> operations
Electrical :		1 x 10 <sup>5</sup> operations (at rated load)
Weight		Approx. 18grs.
UL & cUL		E156406
TUV		R50053235 / R50058882 / R50058874

## ➤ REFERENCE DATA

### Maximum Switched Power



### Electrical Life Expectancy



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing. (0939AA08VOL01)

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
Http://www.100y.com.tw