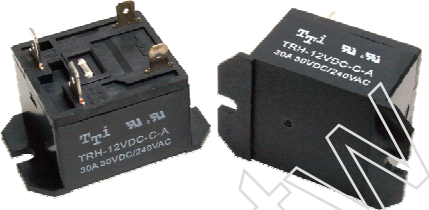


TRH

MAIN FEATURES

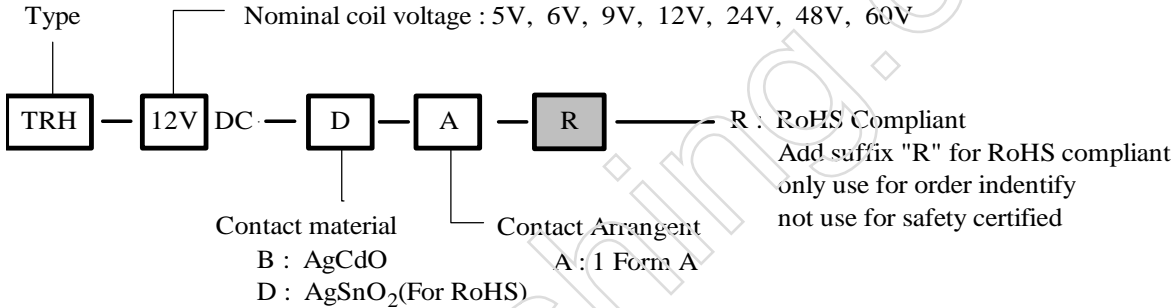
- 1 Form A (SPST-NO) Contact.
- Heavy duty switching current up to 30A.
- High inrush current 65A.
- High surge voltage 10,000V.
- Small package - Meet high density mounting requirement.
- Meet with associated requirement for UL508 industrial control equipment.
- With 4,000VAC standing.
- UL & cUL recognized.



APPLICATIONS

- Used on air conditioner, electrical heater Remote-controlled TV, automatic control and household electric device.

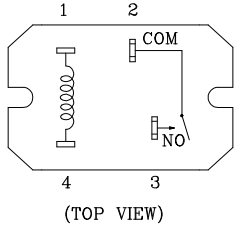
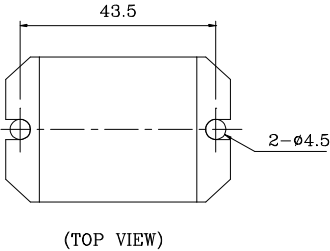
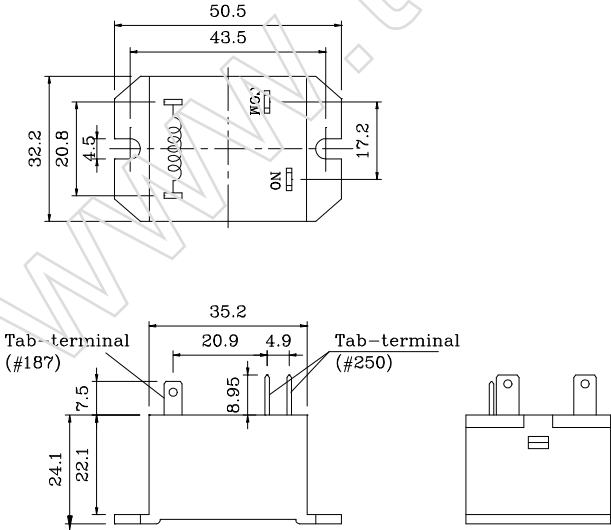
ORDERING INFORMATION



DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRH	05	05	239	20	abt. 1.2W	70% Max.	10% Min.	110% Max.
	06	06	200	30				
	09	09	134.3	67				
	12	12	100	120				
	24	24	50	480				
	48	48	25	1920				
	60	60	20	3000				

CONTACT RATING

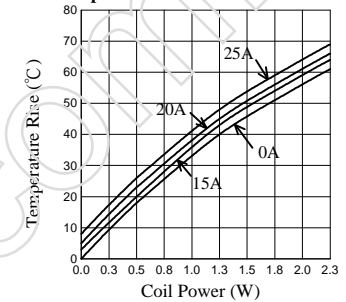
Item	Type	TRH
Contact Capacity Resistive Load		30A 250VAC 2HP 250VAC TV-15 120VAC
Rated Carrying Current		30A
Max. Allowable Voltage		277VAC
Max. Allowable Current		30A
Max. Allowable Power Force		7500VA
Referenced Min. Applicable Load		5VDC, 100mA
Contact Material		Ag Alloy

PERFORMANCE (at initial value)

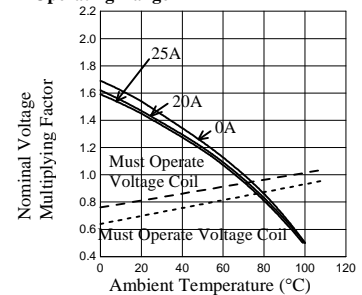
Item	Type	TRH
Contact Resistance		30m Ω Max. (at 1A 6VDC)
Operation Time		20msec Max.
Release Time		5msec Max.
Dielectric Strength		Between coil & contact 4000VAC 50/60Hz (1 minute) Between contacts 1200VAC 50/60Hz (1 minute)
Surge Resistiveness		1000V (at 1.2x50msec standard surge wave)
Insulation Resistance		1000 M Ω Min. (500VDC)
Max. ON/OFF Switching		Mechanically 300 operation/min Electrically 30 operation/min
Operating Ambient Temperature		-40°C to +70°C (No water drop condensation)
Operating Humidity		35 to 95% RH
Coil Temperature Rise		35 deg. Max. (at rated coil voltage)
Vibration		Endurance 10 to 55HZ Double Amplitude 1.5mm Error Operation 10 to 55HZ Double Amplitude 1.5mm
Shock		Endurance 200m/s ² (11 \pm 1msec) Error Operation 1000m/s ² (6 \pm 1msec)
Life Expectancy		Mechanically 5 \times 10 ⁶ ops. Min. (no load) Electrically 1 \times 10 ⁵ ops. Min. (at resistive load) 2 \times 10 ⁵ ops. Min. (at motor load)
Weight		abt. 55grs.
UL & cUL		E156406

REFERENCE DATA

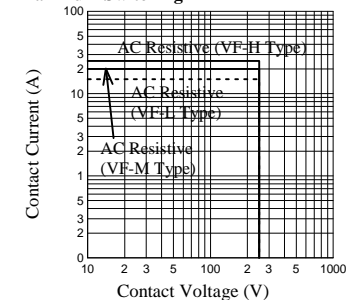
Coil Temperature Rise



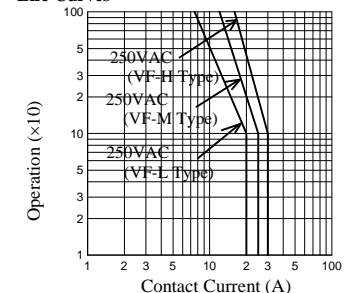
Operating Range



Maximum Switching



Life Curves



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