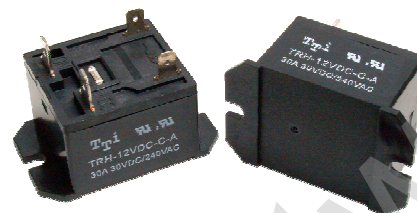




TRH

➤ MAIN FEATURES

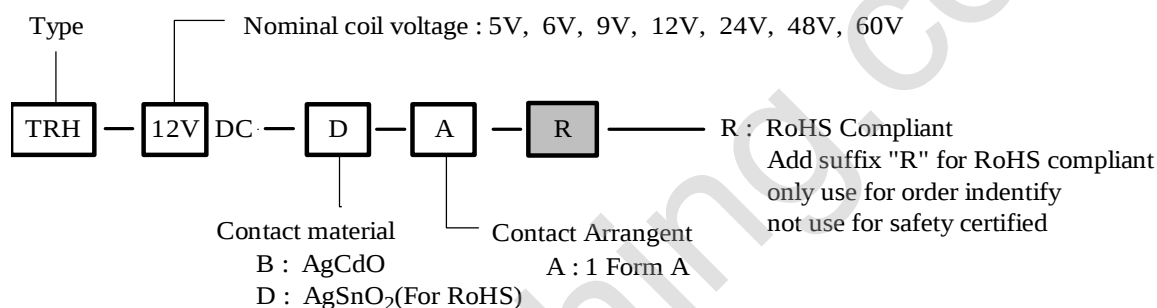
- 1 Form A (SPST-NO) Contact.
- Heavy duty switching current up to 30A.
- High inrush current 65A.
- High surge voltage 10,000V.
- Small package - Meet high density mounting requirement.
- Meet with associated requirement for UL508 industrial control equipment.
- With 4,000VAC standing.
- UL & cUL recognized.



➤ APPLICATIONS

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

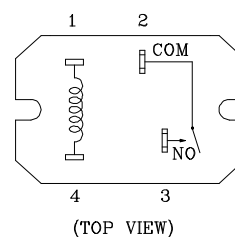
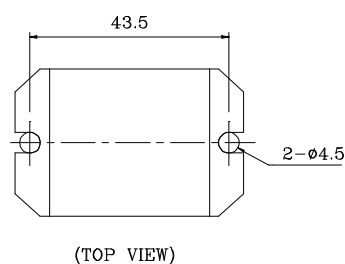
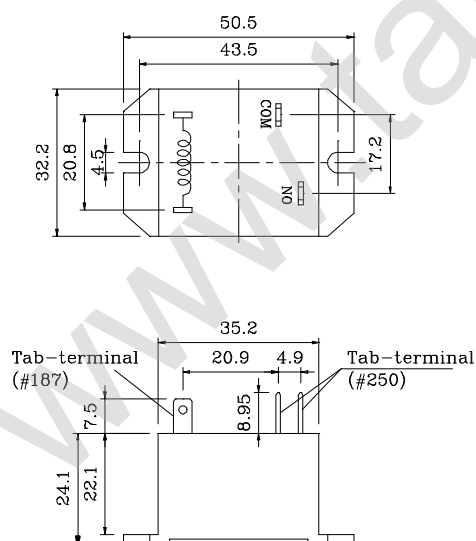
➤ ORDERING INFORMATION



■ DIMENSION(unit:mm)

■ DRILLING(unit:mm)

■ WIRING DIAGRAM



➤ COIL DATA CHART(at 20 °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

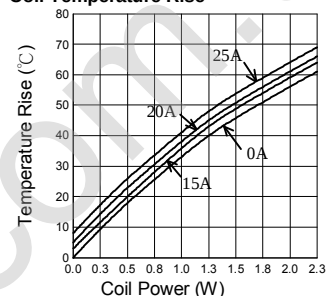
Item	Type	TRH
Contact Capacity		30A 250VAC
Resistive Load		2HP 250VAC
		TV-15 120VAC
Rated Carrying Current		30A
Max. Allowable Voltage		277VAC
Max. Allowable Current		30A
Max. Allowable Power Force		7500VA
Referenced Min. Applicable Load		5VDC, 100mA
Contact Material		Ag Alloy

➤ PERFORMANCE (at initial value)

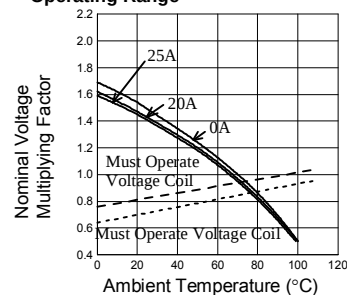
Item	Type	TRH
Contact Resistance		30m Ω Max. (at 1A 6VDC)
Operation Time		20msec Max.
Release Time		5msec Max.
Dielectric Strength		
Between coil & contact		4000VAC 50/60Hz (1 minute)
Between contacts		1200VAC 50/60Hz (1 minute)
Surge Resistiveness		1000V (at 1.2 $\times$ 50msec standard surge wave)
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

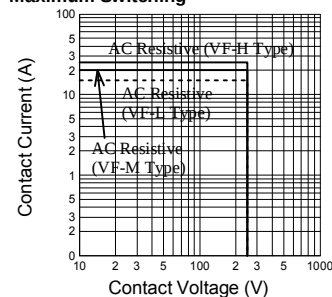
Coil Temperature Rise



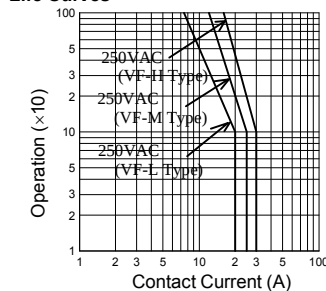
Operating Range



Maximum Switching



Life Curves



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