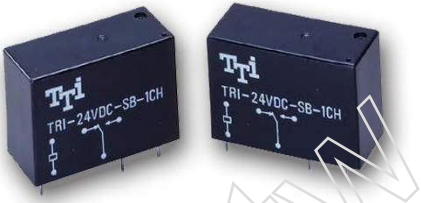


TRI

MAIN FEATURES

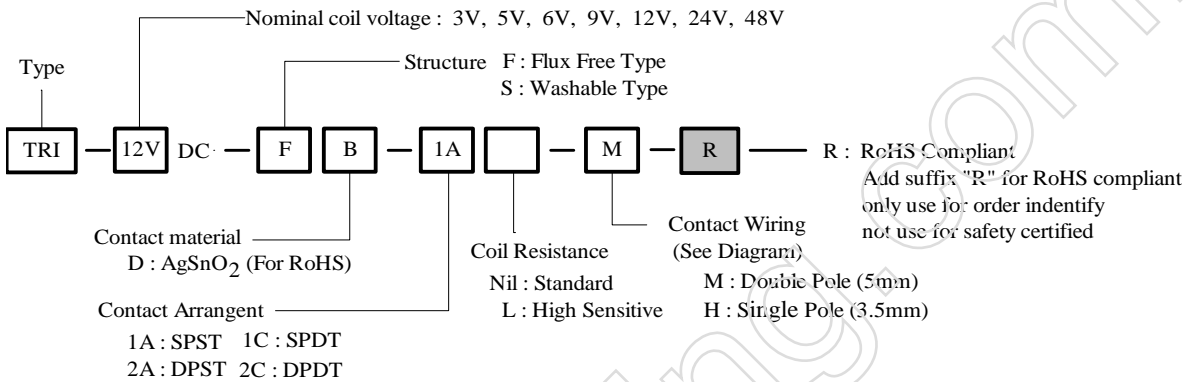
- 10A switching capabilities.
- 1 & 2 pole configurations.
- 5KV dielectric coil to contacts.
- Low height of 12.5mm.
- Sealed & Unsealed types available.
- UL & cUL recognized.



APPLICATIONS

- Cooking appliances, air conditioners, audio equipment, domestic appliances, etc.

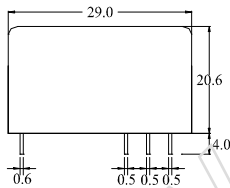
ORDERING INFORMATION



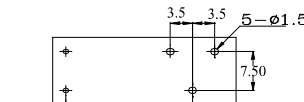
DIMENSION (unit:mm)

DRILLING (unit:mm)

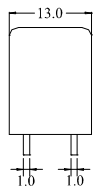
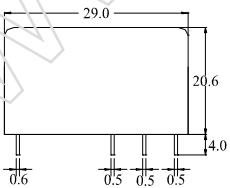
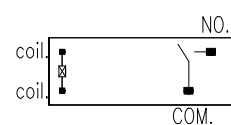
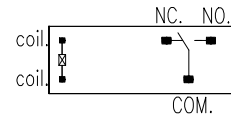
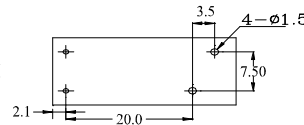
WIRING DIAGRAM



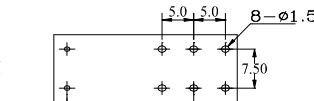
TRI-1CH/1CL-H



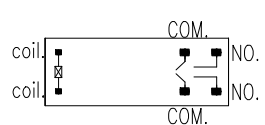
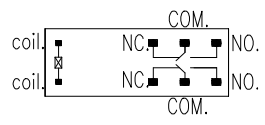
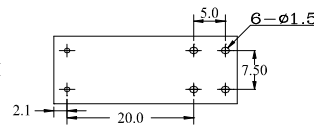
TRI-1AH/1AL-H



TRI-2CM/2ALM



TRI-2AM/2CLM



COIL DATA CHART (AT20°C)

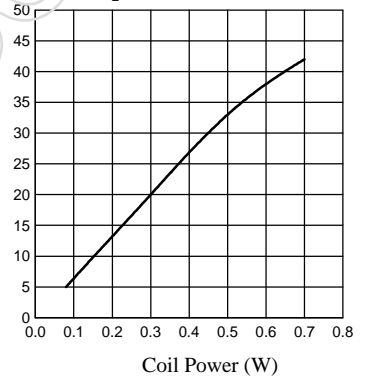
Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRI	03	03	240	12.5	abt. 0.72W	80% Max.	5% Min.	130% Max.
	05	05	138.9	36				
	06	06	120	50				
	09	09	78.3	115				
	12	12	60	200				
	24	24	29.3	820				
TRI-L	03	03	126.5	17	abt. 0.54W	80% Max.	5% Min.	130% Max.
	05	05	106.4	47				
	06	06	88	68				
	09	09	58	155				
	12	12	44.4	270				
	24	24	21.8	1100				
	48	48	10.9	4400				

CONTACT RATING

Item	Arrangement	SPST-NO(1a), SPDT(1c)	DPST-NO(2a), DPST(2c)
		H-Type	M-Type
Contact Capacity		10A 30VDC	5A 30VDC
Resistive Load ($\cos\Phi=1$)		10A 250VAC	5A 250VAC
Carrying current		10A	5A
Max. switching voltage		380VAC	380VAC
Max. switching current		10A	5A
Max. switching power		2500VA	1250VA
Min. permissible load		10VDC 10mA	10VDC 10mA
Contact material		Ag alloy	

REFERENCE DATA

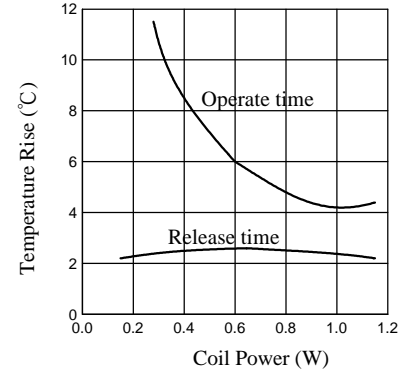
Coil Temperature Rise



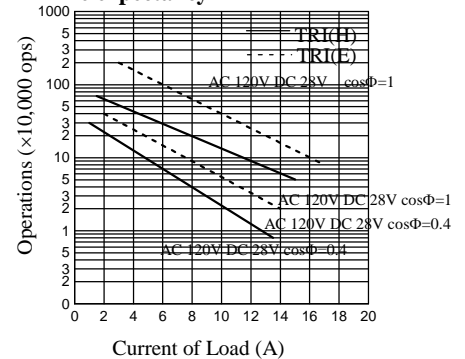
PERFORMANCE (at initial value)

Item	Type	TRI	TRI-L
Contact Resistance		100m Ω Max.	
Operation Time		15msec Max.	20msec Max.
Release Time		8msec Max.	
Dielectric Strength		5000VAC 50/60HZ (1 minute)	
Between coil & contact		1000VAC 50/60HZ (1 minute)	
Between contacts			
Surge Resistiveness		1000V (between coil & contact 1x40 msec)	
Insulation Resistance		100 M Ω Min. (500VDC)	
Max. ON/OFF Switching			
Mechanically		300 operation/min	
Electrically		30 operation/min	
Operating Ambient Temperature		-30°C to +55°C	-30°C to +70°C
		(No water drop condensation)	
Operating Humidity		45 to 80% RH	
Coil Temperature Rise		45 deg. Max.	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		100G Min.	
Error Operation		10G Min.	
Life Expectancy			
Mechanically		10 x 10 ⁶ operations. Min.	
Electrically		10 x 10 ⁴ operations. Min.	
Weight		abt. 13grs.	
UL & cUL		E156406	

Operate Time



Life expectancy



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