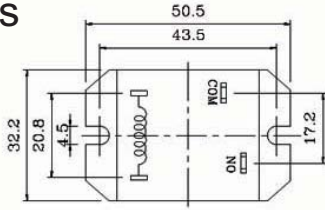




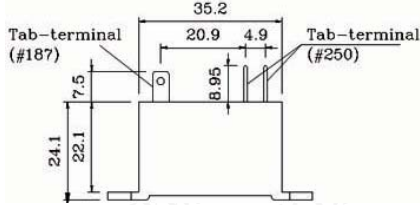
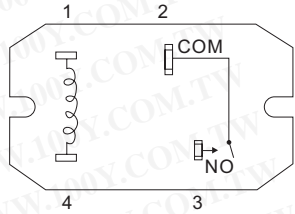
Relays & Solenoids

TTI_PCB Relays

Detailed product specifications are available on: us.100y.com.tw

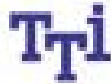


(Top view)



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		30mΩ Max. (at 1A 6VDC)
Operation Time		20msec Max.
Release Time		5msec Max
Dielectric Strength		4000VAC 50/60Hz (1 minute)
Between coil & contact		1200VAC 50/60Hz (1 minute)
Between contacts		
Surge Resistiveness		1000V (at 1.250msec standard surge wave)
Insulation Resistance		1000 MΩ Min. (500VDC)
Max. ON/OFF Switching		300 operation/min
Mechanically		30 operation/min
Electrically		
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		10 to 55HZ Double Amplitude 1.5mm
Endurance		10 to 55HZ Double Amplitude 1.5mm
Error Operation		
Shock		200m/s ² (11±1msec)
Endurance		1000m/s ² (6±1msec)
Error Operation		
Life Expectancy		5x10 ⁶ ops. Min. (no load)
Mechanically		1x10 ⁶ ops. Min. (at resistive load)
Electrically		2x10 ⁶ ops. Min. (at motor load)
Weight		abt. 55grs.
UL File No.		E156406

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
22982	TRH-12D-C-A	TTI	TTI Relay	50.0*32.2*24.1mm	1 From A	30A 250VAC/30V DC	12VDC	UL,CSA	TRH
45046	TRH-24VDC-C-A	TTI	TTI Relay	50.0*32.2*24.1mm	1 From A	30A 250VAC/30VDC	24VDC	UL,CSA	TRH

MAIN FEATURES

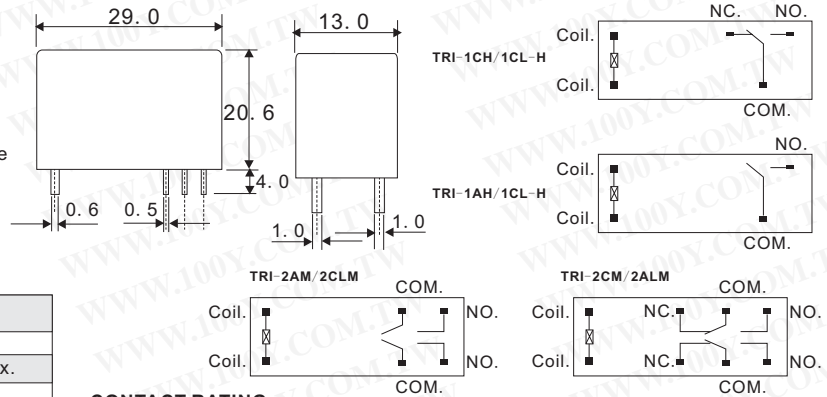
- 10A switching capabilities
- 1 & 2 pole configurations
- 5KV dielectric coil to contacts
- Low height of 12.5mm
- Sealed & Unsealed type available
- UL & cUL recognized

APPLICATIONS

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

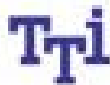
PERFORMANCE (at initial value)

Item	Type	TRI-D	TRI-L
Contact Resistance		100mΩ 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 140 msec)	
Insulation Resistance		100 MΩ Min. (500VDC)	
Max. ON/OFF Switching		300 operation/min	
Mechanically		30 operation/min	
Electrically			
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		10 to 55Hz Double Amplitude 1.5mm	
Endurance		10 to 55Hz Double Amplitude 1.5mm	
Error Operation			
Weight		abt. 13grs.	



CONTACT RATING

Item	Type	SPST-NO (1a), SPDT (1c) H-Type	DPST-NO (2a), DPST (2c) M-Type
Contact Capacity		10A 30VDC	5A 30VDC
Resistive Load		10A 250VAC	5A 250VAC
(cosφ=1)			
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	



Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
22992	TRI-12D-FB-1CH	TTI	TTI Relay	29.0*13.0*25.5mm	SPDT	7.5A 250VAC/30V DC	12VDC	CUL	TRI



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