



TRC

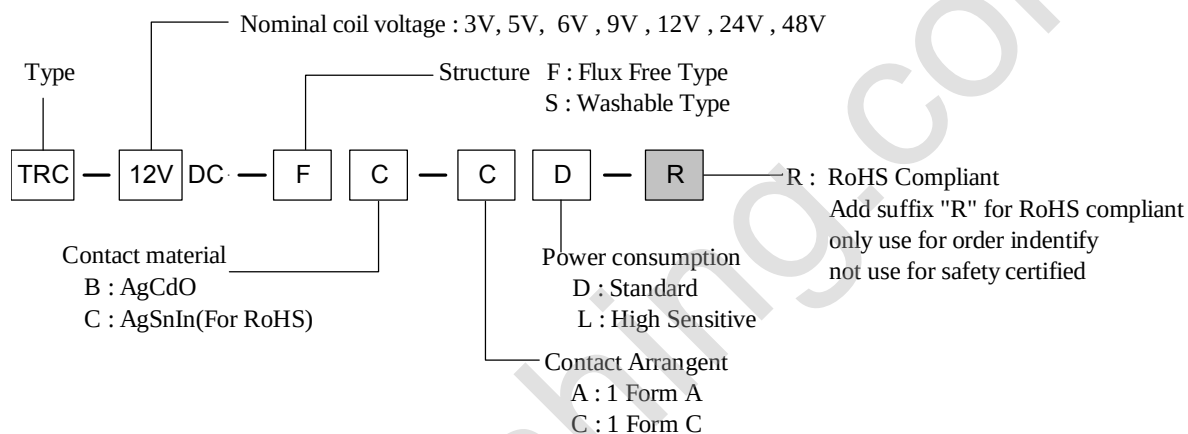
➤ MAIN FEATURES

- Smallest size (10.2 × 18.2 × 15.0 mm) at 10A switching capacity relay for high density P.C. board mounting technique.
- 1A and 1C contact form available.
- Surge resistiveness of 5000V on series relays.
- Selection of plastic insulation material for high temperature and better chemical solution performance.
- UL、CSA and TUV recognized.

➤ APPLICATIONS

- Domestic appliance, office machine, audio equipment, automobile, etc.

➤ ORDERING INFORMATION

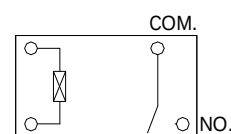
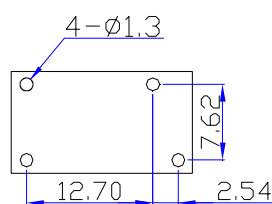
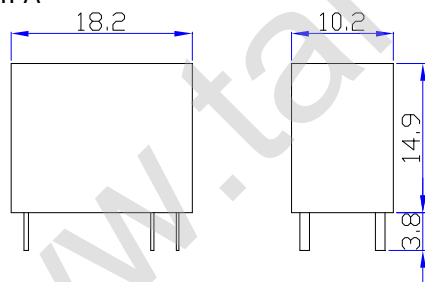


■ DIMENSION(unit:mm)

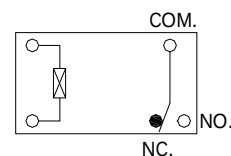
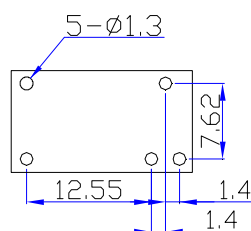
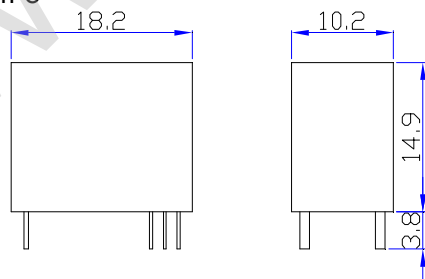
■ DRILLING(unit:mm)

■ WIRING DIAGRAM

1 Form A



1 Form C



Remark: 1. In case of no tolerance shown in dimension: $\pm 0.5\text{mm}$.
2. The tolerance without indicating for DRILLING is always $\pm 0.1\text{mm}$.

► COIL DATA CHART(at 20 °C)

Coil Sensitivity	Nominal Coil 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)
TRC -L (High Sensitivity) ※	3	67	45	abt. 0.2W	75% Max.	5% Min.	130% Max.
	5	40	125				
	6	33.3	180				
	9	22.5	400				
	12	16.7	720				
TRC -D (Standard)	24	8.16	2800	abt. 0.45W	75% Max.	5% Min.	120% Max.
	3	150	20				
	5	91	55				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.8	1280				
	48	9.4	5100				

※ TRC High Sensitivity Type (1 Form A Only).

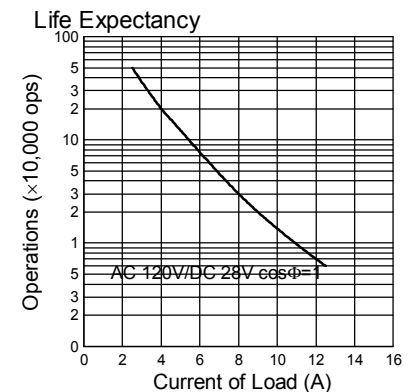
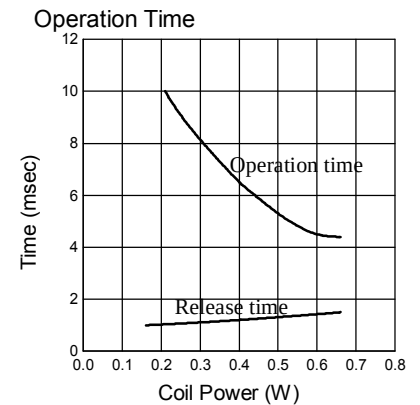
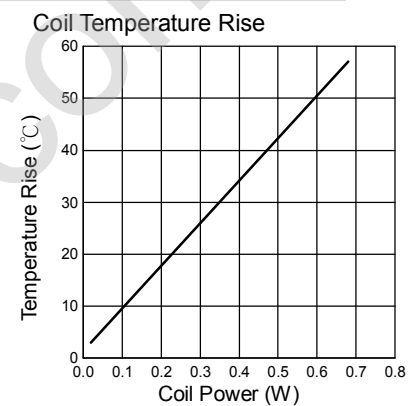
► CONTACT RATING

Item	Type	TRC
Contact Capacity		10A 120VAC/ 10A 28VDC (UL).
Resistive Load ($\cos\Phi=1$)		5A 240VAC/ 10A 28VDC (TUV)
Rated Carrying Current		10A
Max. Allowable Voltage		265VAC / 30VDC
Max. Allowable Current		10A
Max. Allowable Power		1200VA / 280W
Force		
Referenced Min. Applicable Load		5VDC / 10mA
Contact Material		Ag Alloy

► PERFORMANCE (at initial value)

Item	Type	TRC
		1 Form C 1 Form A
Contact Resistance		100m Ω Max.
Operation Time		10msec Max.
Release Time		4msec Max.
Dielectric Strength		
Between coil & contact		2800VAC 1 min
Between contacts		750VAC 1 min 3200VAC 1min
Surge Resistiveness		5000V
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 +60°C
Operating Humidity		45% to 85% RH
Coil Temperature Rise		40 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		980m/s ² .
Error Operation		98m/s ² .
Life Expectancy		
Mechanically		1 $\times$ 10 ⁷ ops. Min. (no load)
Electrically		1 $\times$ 10 ⁵ ops. Min. (at rated coil voltage)
Weight		abt. 6grs.
UL		E156521
CSA		LR102317
TUV		R50062360

► REFERENCE DATA



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