



TRCF

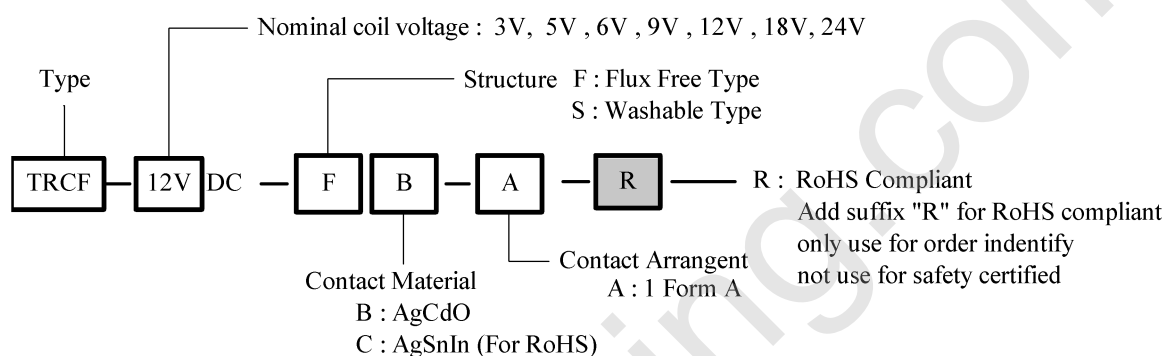
➤ MAIN FEATURES

- 12A switching capabilities
- SPST-NO configuration
- Subminiature, standard P.C. layout
- Sealed & Unsealed types available
- UL、cUL and TUV recognized.

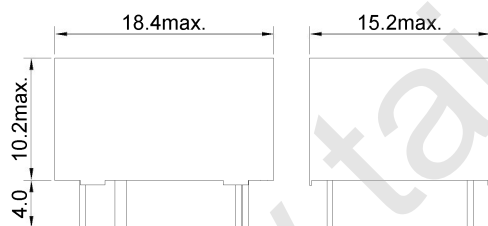
➤ APPLICATIONS

- House-hold appliances; Electronic controller equipment, etc.

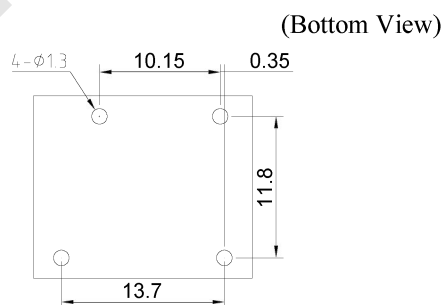
➤ ORDERING INFORMATION



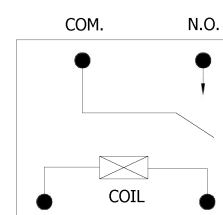
■ DIMENSION (unit:mm)



■ DRILLING (unit:mm)



■ WIRING DIAGRAM



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 Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω)±10%	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRCF	3	150	20	abt. 0.45W	75% Max.	5% Min.	120%
	5	89.3	56				
	6	75	80				
	9	50	180				
	12	37.5	320				
	18	25	720				
	24	18.75	1280				

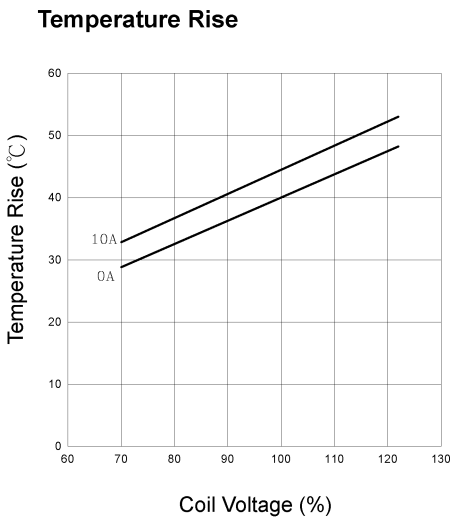
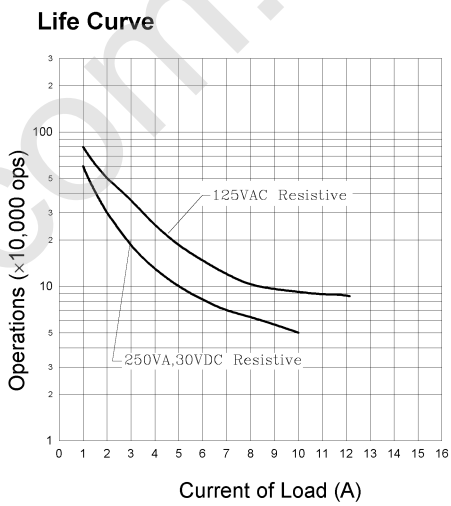
➤ **CONTACT RATING**

Type	TRCF	
Item	UL	TUV
Contact Capacity		
Resistive Load (cosΦ=1)	10A 125VAC 10A 277VAC/30VDC	12A 250VAC 12A 30VDC
Rated Carrying Current	12A	
Max. Allowable Voltage	277VAC 30VDC	
Max. Allowable Current	12A	
Max. Allowable Power Force	2770VA 300W	
Contact Material	Ag Alloy	

➤ **PERFORMANCE** (at initial value)

Type	TRCF
Item	
Contact Resistance	100mΩMax. (measured at 1A 24VDC)
Operation Time	8msec Max.
Release Time	5msec Max.
Dielectric Strength	
Between coil & contact	2500VAC 50/60HZ (1 minute)
Between contacts	1000VAC 50/60HZ (1 minute)
Surge Resistiveness	5000V
Insulation Resistance	1000MΩ Min. (500VDC)
Operating Ambient Temperature	-40°C to +70°C
Operating Humidity	35 to 85% RH
Vibration	
Endurance	10 to 55Hz Single Amplitude 1.5mm
Error Operation	10 to 55Hz Single Amplitude 1.5mm
Shock Resistance	
Malfunction	100m/s ²
Mechanical	1000m/s ²
Life Expectancy	
Mechanically	1x10 ⁷ OPS.
Electrically	1x10 ⁵ OPS.
Weight	abt. 6grs.
UL & cUL	E156521
TUV	R50057734

➤ **REFERENCE DATA**



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.
(1018AA08VOL01)