

TRCF

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MAIN FEATURES

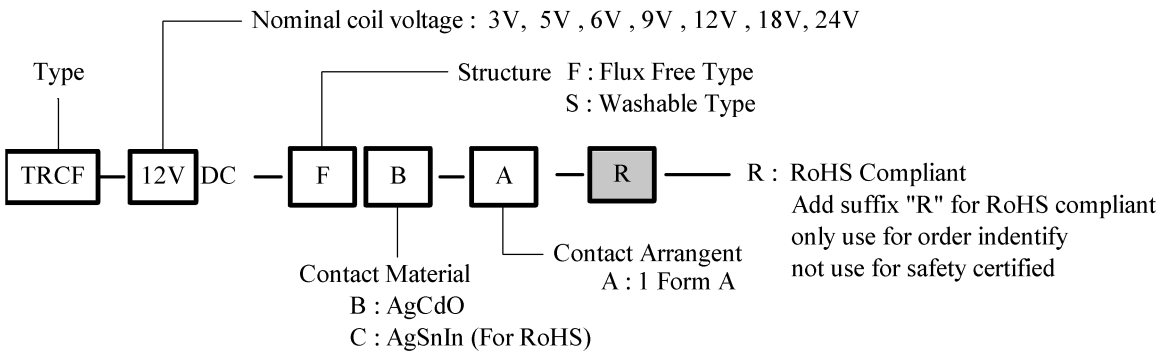
- 12A switching capabilities
- SPST-NO configuration
- Subminiature, standard P.C. layout
- Sealed & Unsealed types available
- UL、cUL and TUV recognized.



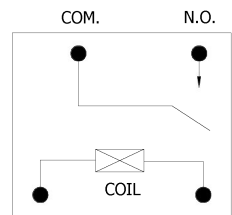
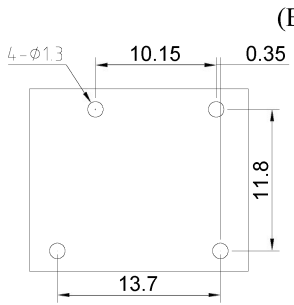
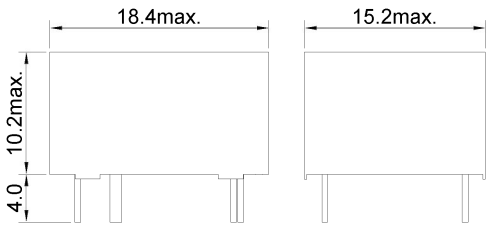
APPLICATIONS

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

ORDERING INFORMATION



■ DIMENSION (unit:mm)	■ DRILLING (unit:mm)	■ WIRING DIAGRAM
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Remark: 1. In case of no tolerance shown in dimension: ±0.5mm.
 2. The tolerance without indicating for DRILLING is always ±0.1mm.

➤ **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**

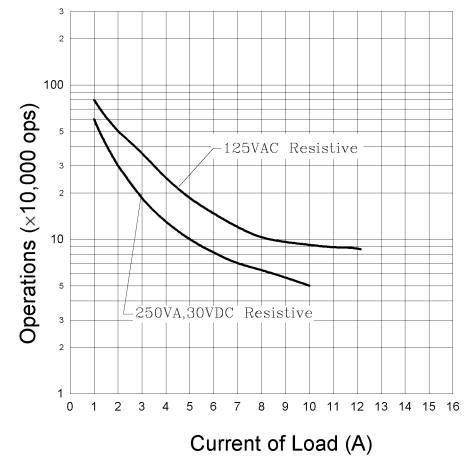
Item	Type	TRCF	
Contact Capacity Resistive Load (cosΦ=1)	UL	10A 125VAC	TUV 12A 250VAC
		10A 277VAC/30VDC	12A 30VDC
Rated Carrying Current		12A	
Max. Allowable Voltage		277VAC	30VDC
Max. Allowable Current		12A	
Max. Allowable Power Force		2770VA	300W
Contact Material		Ag Alloy	

➤ **PERFORMANCE** (at initial value)

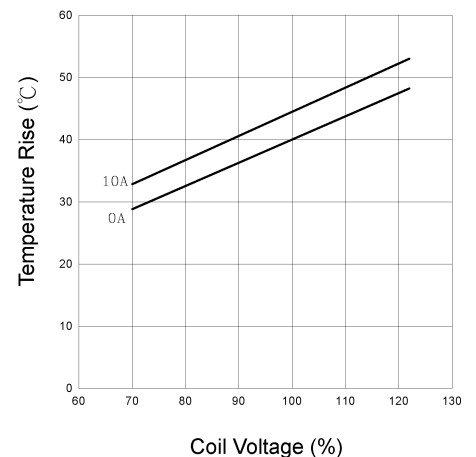
Item	Type	TRCF
Contact Resistance		100mΩMax. (measured at 1A 24VDC)
Operation Time		8msec Max.
Release Time		5msec Max.
Dielectric Strength	Between coil & contact	2500VAC 50/60HZ (1 minute)
	Between contacts	1000VAC 50/60HZ (1 minute)
Surge Resistiveness		5000V
Insulation Resistance		1000MΩ Min. (500VDC)
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**

Life Curve



Temperature Rise



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