TRCF

➢ MAIN FEATURES

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

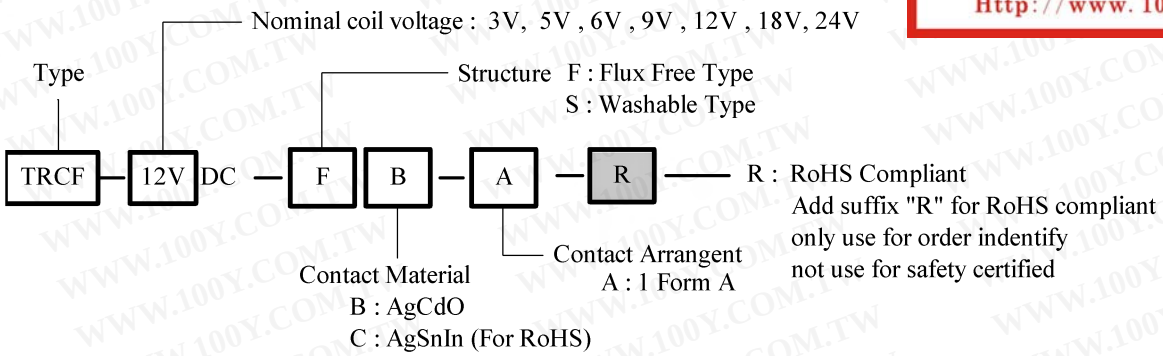


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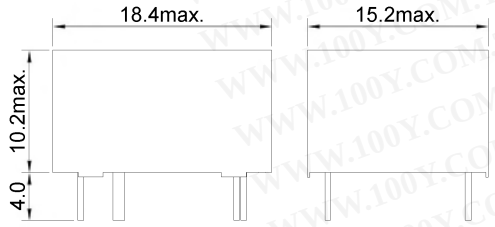
➢ APPLICATIONS

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

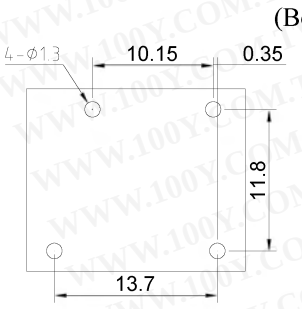
➢ ORDERING INFORMATION



■ DIMENSION(unit:mm)

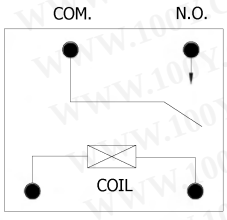


■ DRILLING(unit:mm)



■ WIRING DIAGRAM

(Bottom View)



Remark:1.In case of no tolerance shown in dimension: ±0.5mm.
2.The tolerance without indicating for DRILLING is always ±0.1mm.

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➢ COIL DATA CHART(at 20℃)

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

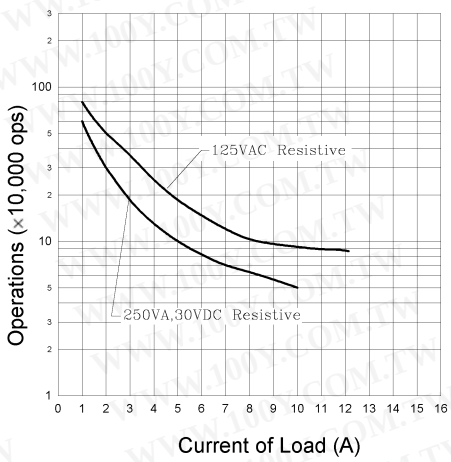
Item \ Type	TRCF	
Contact Capacity Resistive Load (cosΦ=1)	UL 10A 125VAC 10A 277VAC/30VDC	TUV 12A 250VAC 12A 30VDC
Rated Carrying Current	12A	
Max. Allowable Voltage	277VAC 30VDC	
Max. Allowable Current	12A	
Max. Allowable Power Force	2770VA 300W	
Contact Material	Ag Alloy	

➢ PERFORMANCE (at initial value)

Item \ Type	TRCF
Contact Resistance	100mΩMax. (measured at 1A 24VDC)
Operation Time	8msec Max.
Release Time	5msec Max.
Dielectric Strength Between coil & contact Between contacts	 2500VAC 50/60HZ (1 minute) 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 Error Operation	 10 to 55Hz Single Amplitude 1.5mm 10 to 55Hz Single Amplitude 1.5mm
Shock Resistance Malfunction Mechanical	 100m/s^2 1000m/s^2
Life Expectancy Mechanically Electrically	 1x10^7 OPS. 1x10^5 OPS.
Weight	abt. 6grs.
UL & cUL	E156521
TUV	R50057734

➢ REFERENCE DATA

Life Curve



Temperature Rise

