



TRC

勝特力材料 886-3-5753170
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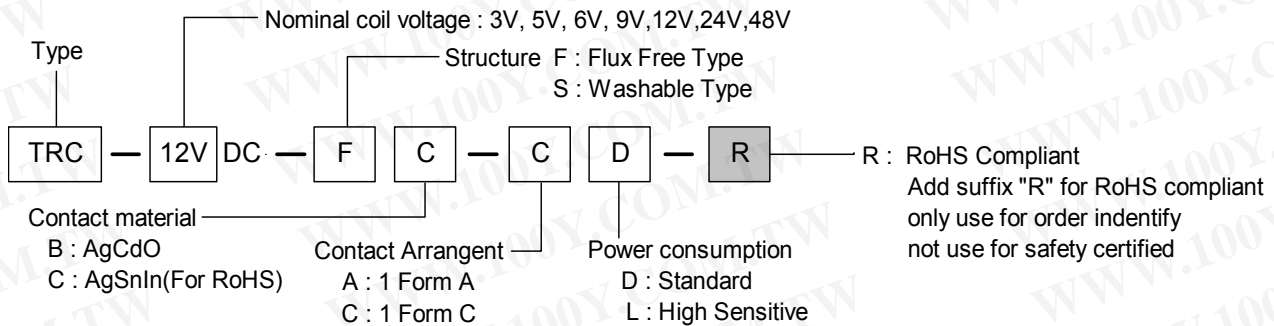
MAIN FEATURES

- 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

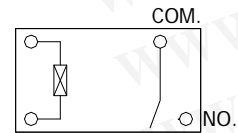
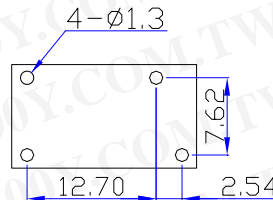
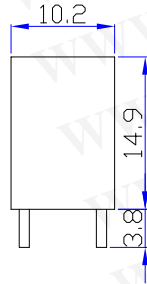
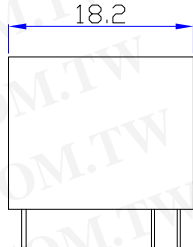


DIMENSION (unit:mm)

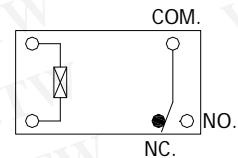
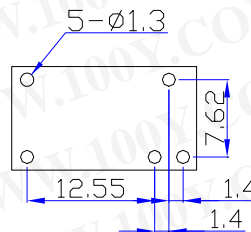
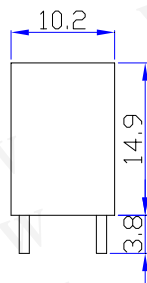
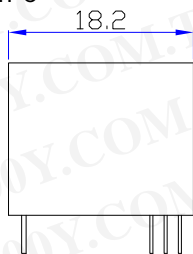
DRILLING (unit:mm)

WIRING DIAGRAM

1 Form A



1 Form C



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

➤ 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				
	24	8.16	2800				
TRC -D (Standard)	3	150	20	abt. 0.45W	75% Max.	5% Min.	120% Max.
	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).

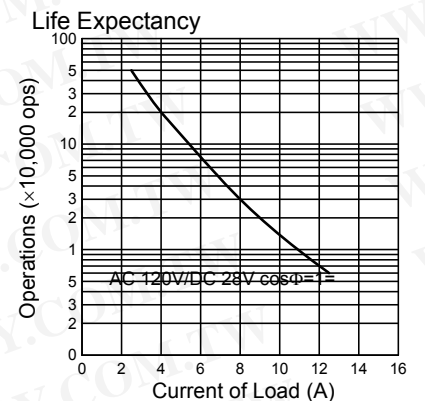
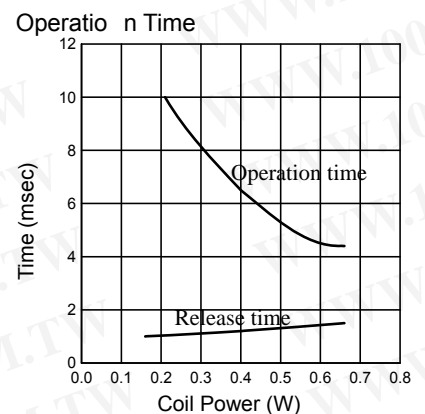
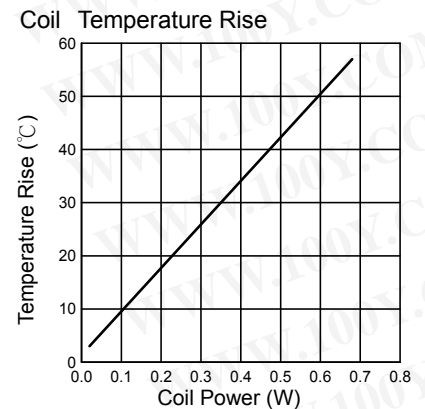
➤ CONTACT RATING

Item	Type	TRC
Contact Capacity Resistive Load ($\cos\phi=1$)		10A 120VAC/ 10A 28VDC (UL). 5A 240VAC/ 10A 28VDC (TUV)
Rated Carrying Current		10A
Max. Allowable Voltage		265VAC / 30VDC
Max. Allowable Current		10A
Max. Allowable Power Force		1200VA / 280W
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 Betw een contacts		2800VAC 1 min 750V AC 1 min	3200VAC 1 min 750VAC 1 min
Surge Resistiveness		5000V	
Insulation Resistance		100 M Ω Min. (500VDC)	
Max. ON/OFF Switching Mechanically Electrically		300 operation/min 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 Error Operation		10 to 55Hz Double Amplitude 1.5mm 10 to 55Hz Double Amplitude 1.5mm	
Shock Endurance Error Operation		980m/s ² . 98m/s ² .	
Life Expectancy Mechanically Electrically		1 \times 10 ⁷ ops. Min. (no load) 1 \times 10 ⁵ ops. Min. (at rated coil voltage)	
Weight		abt. 6grs.	
UL		E156521	
CSA		LR102317	
TUV		R50062360	

➤ REFERENCE DATA



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