



TRC

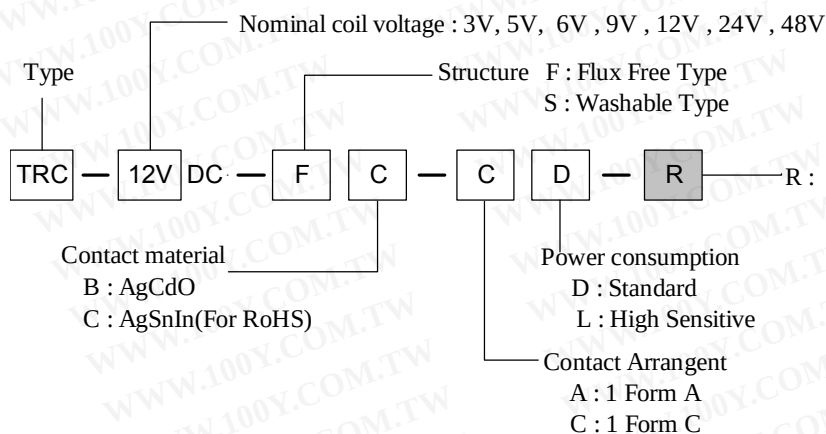
MAIN FEATURES

- 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



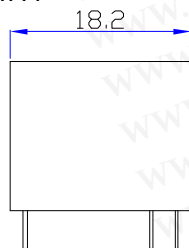
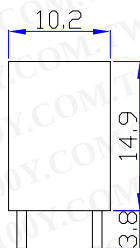
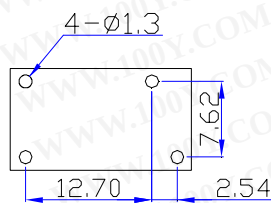
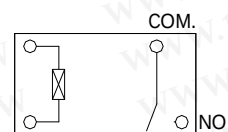
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

DIMENSION(unit:mm)

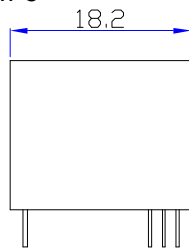
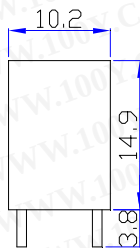
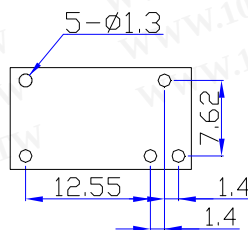
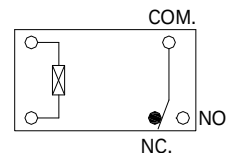
DRILLING(unit:mm)

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	100mΩ Max.		
Operation Time	10msec Max.		
Release Time	4msec Max.		
Dielectric Strength			
Between coil & contact		2800VAC 1 min	3200VAC 1min
Between contacts		750VAC 1 min	
Surge Resistiveness	5000V		
Insulation Resistance	100 MΩ 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 × 10 ⁷ ops. Min. (no load)	
Electrically		1 × 10 ⁵ ops. Min. (at rated coil voltage)	
Weight	abt. 6grs.		
UL	E156521		
CSA	LR102317		
TUV	R50062360		

➤ REFERENCE DATA

