

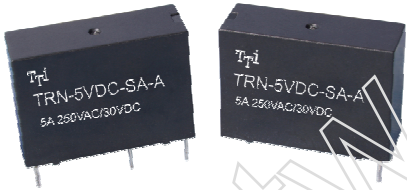
TRN

MAIN FEATURES

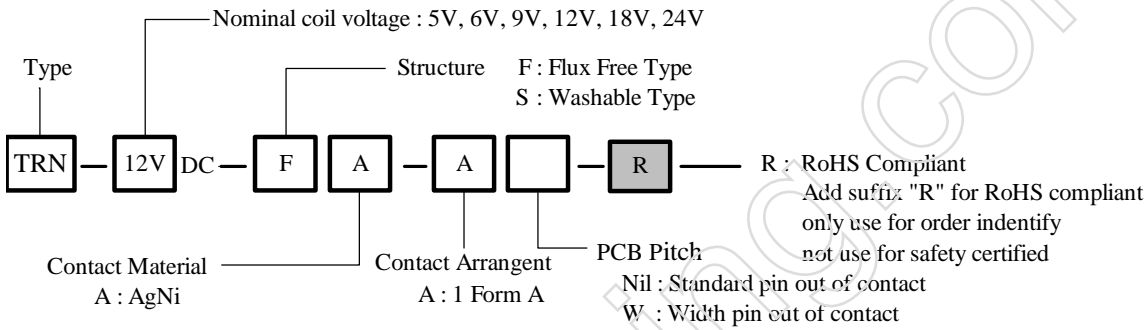
- Small size, light weight.
- Low coil power consumption 0.12W.
- PC board mounting, SIL terminal.

APPLICATIONS

- Suitable for household electrical appliances, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.



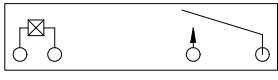
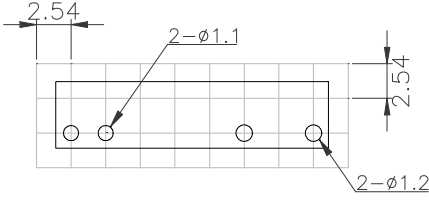
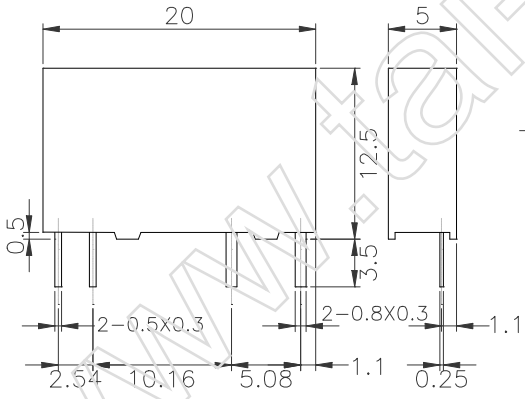
ORDERING INFORMATION



DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage (VDC) Rated	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Coil Power (W)	Pickup voltage (VDC) Max	Release voltage (VDC) Min.	Coil Voltage (VDC) Max.
TRN	5	24	208	0.12	70% of rated voltage	5% of rated voltage	120%
	6	20	300				
	9	13.3	675				
	12	10	1200				
	18	6.7	2700				
	24	5	3200	0.18			

CONTACT RATING

Item	Type	TRN
Contact Capacity Resistive Load ($\cos\Phi = 1$)		5A/30VDC, 250VAC
Max. Switching Voltage		110VDC 250VAC
Max. Switching Current		5A
Max. Switching Power Force		150W 1250VAC
Referenced Min. Applicable Load		0.1mA 0.1VDC
Contact Material		Ag Alloy (Gold clad)

PERFORMANCE (at initial value)

Item	Type	TRN
Contact Resistance		30m Ω Min (at 1A/6V)
Operation Time		Approx. 10msec
Release Time		Approx. 5msec
Dielectric Strength		Between open contacts 1000VAC (1 minute) Between coil & contact 2000VAC (1 minute)
Shock Resistance		Functional 147m/s ² 11ms Survival 980m/s ² 6ms
Vibration Resistance		Functional 2.5mm D.A. 10 to 55Hz Survival 3.5mm D.A. 10 to 55Hz
Terminals resistance		5N
Solderability		235°C \pm 2°C, 3 \pm 0.5s
Temperature Range		-40 ~ 70°C
Relative Humidity		5%~85% (at 40°C)
Insulation Resistance		1000 M Ω Min. (at 500VDC)
Life Expectancy		Electrically 5 \times 10 ⁴ ops. Min. (5A/30VDC) 1 \times 10 ⁵ ops. Min. Mechanically 2 \times 10 ⁷ ops. Min.
Weight		3g
UL		Pending

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