



# TR5N

## MAIN FEATURES

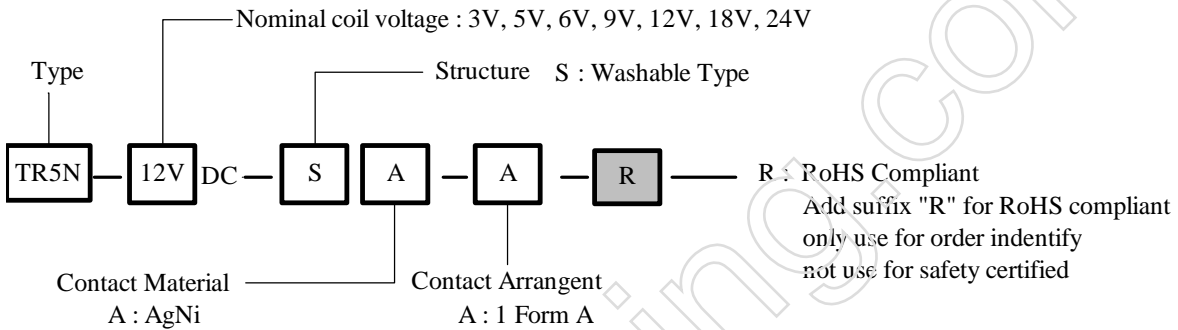
- Small size, light weight.
- Switching capacity up to 5A.
- Low coil power consumption 0.2W.

## APPLICATIONS

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



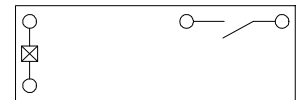
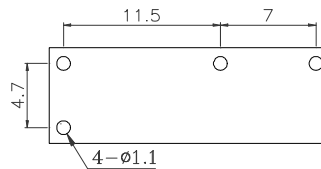
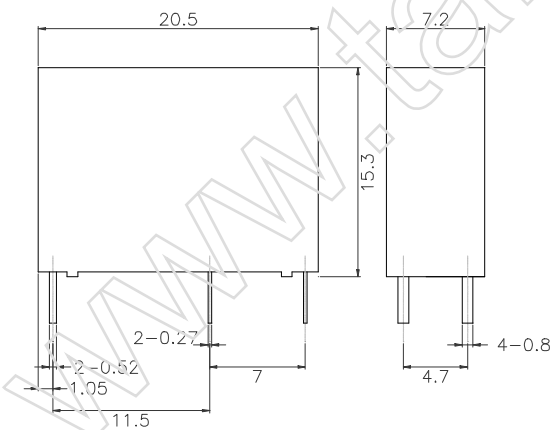
## ORDERING INFORMATION



## DIMENSION (unit:mm)

## DRILLING (unit:mm)

## WIRING DIAGRAM



## COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage (VDC) Rated	Nominal Current (mA)	Coil Resistance ( $\Omega$ ) $\pm 10\%$	Coil Power (W)	Pickup voltage (VDC) Max. (75% of rated voltage)	Release voltage (VDC) Min. (10% of rated voltage)	Coil Voltage (VDC) Max.
Sing Side Stable	3	66.7	45	0.2	75% of rated voltage	10% of rated voltage	130%
	5	40.0	125				
	6	33.3	180				
	9	22.2	405				
	12	16.7	720				
	18	11.1	1620				
	24	8.3	2880				

## CONTACT RATING

Item	Type	TR5N
Contact Capacity Resistive Load (cos $\Phi$ =1)		5A/30VDC, 250VAC
Max. Switching Voltage		30VDC 250VAC
Max. Switching Current		5A
Max. Switching Power Force		150W 1250VA
Referenced Min. Applicable Load		0.1mA 0.1VDC
Contact Material		Ag Alloy

## PERFORMANCE (at initial value)

Item	Type	TR5N
Contact Resistance		100m $\Omega$ Min
Operation Time		Approx. 10msec
Release Time		Approx. 10msec
Dielectric Strength		
Between open contacts		750VAC (1 minute)
Between coil & contact		4000VAC (1 minute)
Shock Resistance		
Functional		100m/s <sup>2</sup> 11ms
Survival		1000m/s <sup>2</sup> 6ms
Vibration Resistance		
Functional		1.5mm D.A. 10 to 55Hz
Survival		1.5mm D.A. 10 to 55Hz
Terminals resistance		5N
Solderability		235°C $\pm$ 2°C, 3 $\pm$ 0.5s
Temperature Range		-30 ~70°C
Relative Humidity		20%~85% (at 40°C)
Insulation Resistance		1000 M $\Omega$ Min. (at 500VDC)
Life Expectancy		
Electrically		1 $\times$ 10 <sup>5</sup> ops. Min.
Mechanically		1 $\times$ 10 <sup>7</sup> ops. Min.
Weight		4g
UL		Pending

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