



TRB1

TRB1S Coil Terminal
Arranged on One Side

➤ MAIN FEATURES

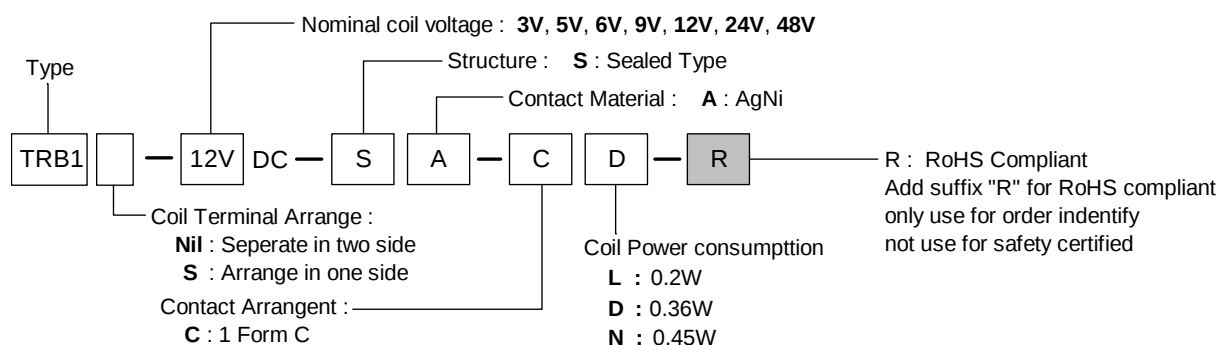
- Subminiature Type.
- Silver or Silver Alloy Contacts with Gold Plated.
- Low Dissipation.
- Sealed Type Available.
- Design conforms to foreign safety standard UL.
- UL and cUL recognized.



➤ APPLICATIONS

- Microprocessor Control, Store Program Exchanger and Household Appliance.

➤ ORDERING INFORMATION

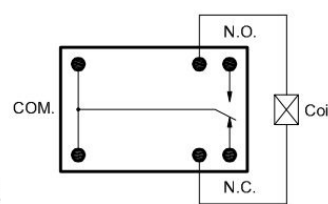
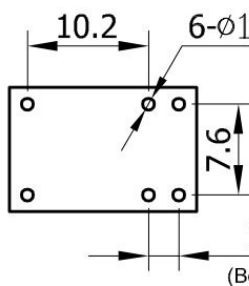
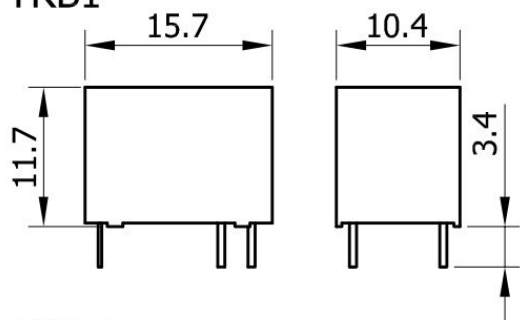


■ DIMENSION (unit:mm)

■ DRILLING (unit:mm)

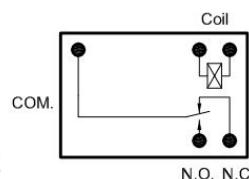
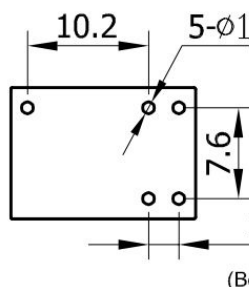
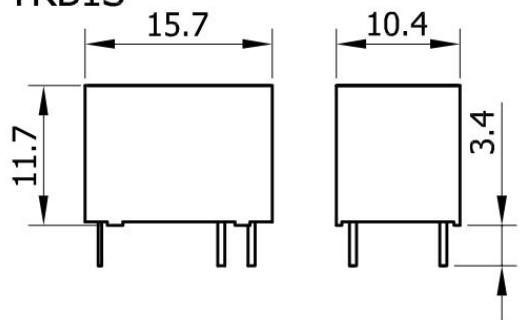
■ WIRING DIAGRAM

TRB1



(Bottom Views)

TRB1S



(Bottom Views)

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 Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRB1/TRB1S - L Type	3	66.7	45	abt. 0.2 W	75% Max.	10% Min.	110%
	5	40	125				
	6	33.3	180				
	9	22.2	405				
	12	16.7	720				
	24	8.3	2880				
TRB1/TRB1S - D Type	3	120	25	abt. 0.36W	75% Max.	10% Min.	110%
	5	71.4	69				
	6	60	100				
	9	40	225				
	12	30	400				
	24	15	1600				
TRB1/TRB1S - N Type	3	150	20	abt. 0.45W	75% Max.	10% Min.	110%
	5	90	56				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.7	1280				
	48	9	5120				

➤ CONTACT RATING

Item \ Type	TRB1 / TRB1S
Contact Capacity Resistive Load ($\cos\Phi=1$)	3A 120VAC 3A 24VDC
Rated Carrying Current	3 A
Max. Allowable Voltage	240VAC, 60VDC
Max. Allowable Current	3 A
Max. Allowable Power Force	360VA, 72W
Contact Material	Silver Alloy

➤ PERFORMANCE (at initial value)

Item \ Type	TRB1 / TRB1S
Contact Resistance	100m Ω Max. (AT 6VDC 1A)
Operation Time	5msec Max.
Release Time	5msec Max.
Dielectric Strength Between coil & contact Between contacts	1000VAC 50/60Hz (1 minute) 500VAC 50/60Hz (1 minute)
Insulation Resistance	100 M Ω Min. (AT 500VDC)
Max. ON/OFF Switching Mechanically Electrically	300 operation/min 30 operation/min
Operating Ambient Temperature	-30°C to +85°C (No water condensation and no water drop)
Operating Humidity	40% to 85% RH
Vibration	10 to 55Hz Single Amplitude 1.5mm
Shock Endurance Error Operation	490m/s ² . 98m/s ² .
Life Expectancy Mechanically Electrically	1 × 10 ⁷ ops. Min. (no load) 1 × 10 ⁵ ops. Min. (at rated coil voltage)
Weight	abt. 3.5grs.
UL & cUL	

This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.
(1218AA08VOL01)