



TRP

MAIN FEATURES

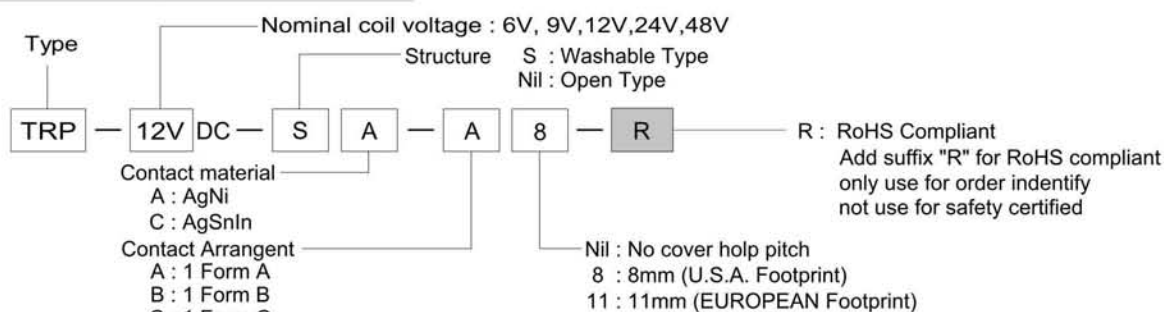
- Subminiature, PCB Mounting.
- Heavy Duty, Silver Alloy Contacts up to 30A or 45A.
- 1 Form A, 1 Form B or 1 Form C.
- Two different spacing arrangements of terminals are available to meet the world standards.
- Used for Automotives, Industrial Control. Household Appliances and Heavy Loads, etc.



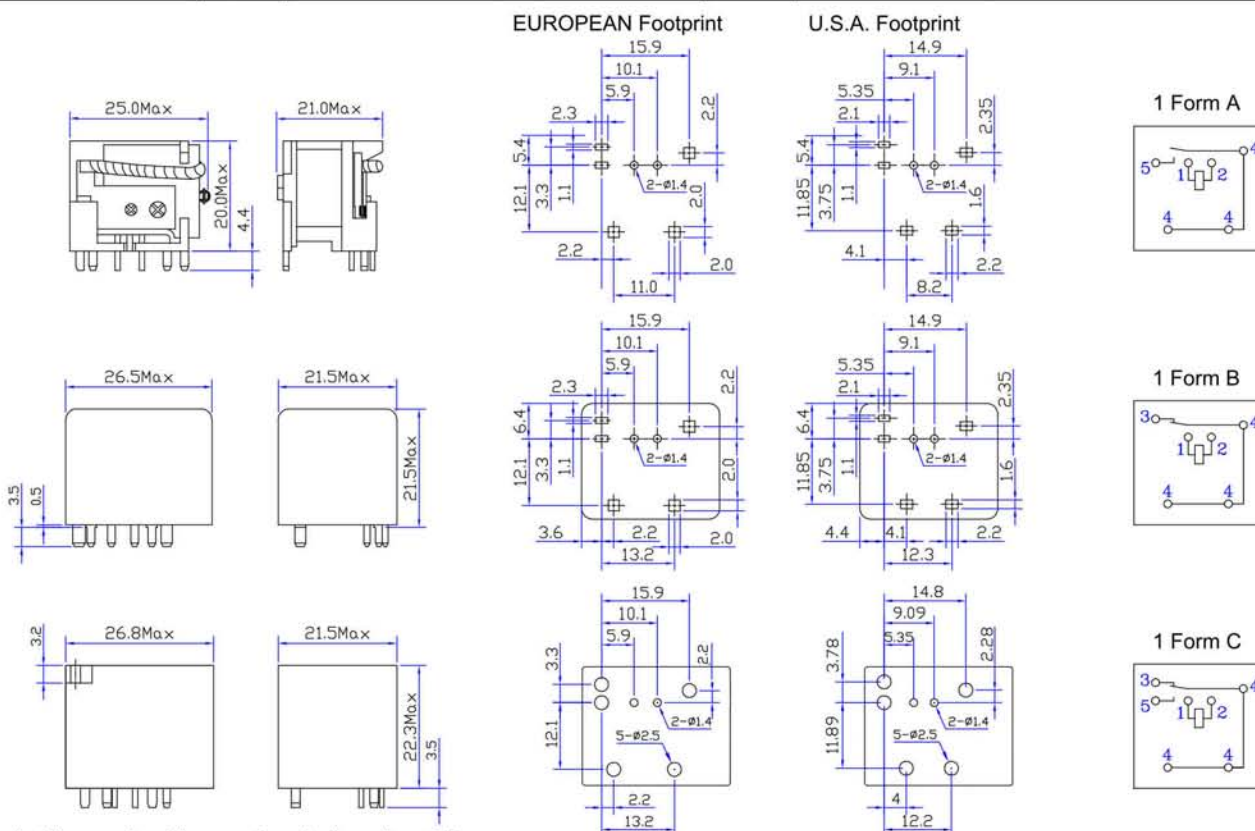
TYPICAL APPLICATIONS IN AUTOMOTIVE INDUSTRY

- | | | |
|---------------------------|----------------------------|-------------------------------|
| • Direction Indicators | • Air Conditioning | • Car alarm system |
| • Interval Wipers Control | • Central door lock | • Initial value control |
| • Fuel Pump Control | • Anti-lock braking system | • Automatic mirror adjustment |
| • Ventilation Motor | • Self tension adjustment | • Sliding roof |
| • Hazard Lights | • Window lifter | • Rear Window Heating |
| • Heater Control | • Seat positioning | • Flashes or turning signals |

ORDERING INFORMATION



DIMENSION (unit:mm) DRILLING (unit:mm) WIRING DIAGRAM



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	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) ±10%	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRP	06	6	315	19	abt. 1.6 ~ 1.9	60% Max.	10% Min.	160%
	12	12	136	90				
	24	24	67	360				

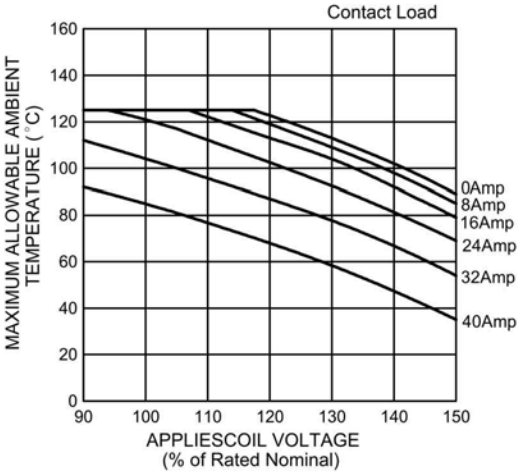
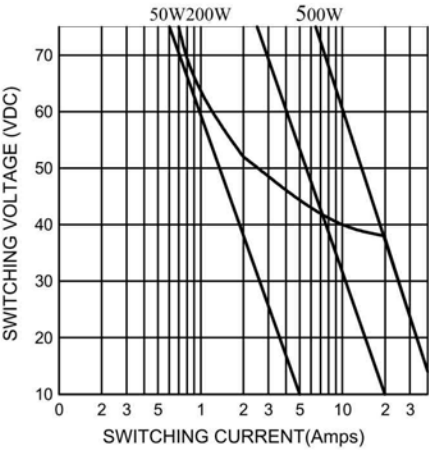
➤ **CONTACT RATING**

Item \ Type	TRP			
	1 Form A	1 Form B	1 Form C	
			N.O.	N.C.
Contact Rating Resistive	40A 15VDC 12A 60VAC			
Max. Continuous Current	45A	30A	45A	30A
Max. Make Current	100A	30A	100A	30A
Max. Break Current	60A	30A	60A	30A
Max. Switch Voltage	75VDC ; 60VAC			
Contact Material	Ag Alloy			

➤ **PERFORMANCE** (at initial value)

Item \ Type	TRP
Contact Resistance	100mΩ Max.
Operate Time	5msec Max.
Release Time	3msec Max.
Dielectric Strength	500Vrms.
Insulation Resistance	100 MΩ Min. (AT 500VDC)
Operating Ambient Temperature	-40°C to +125°C (See Ambient Temperature carry -40°C to +155°C(No water condensation and no water drop)
Operating Humidity	98% RH at 20°C
Vibration Endurance	20 Hz to 200Hz Double Amplitude 1.5mm
Shock	150m/sec ² , 11ms
Life Expectancy	
Mechanically	1 × 10 ⁷ ops. Min. (no load)
Electrically	1 × 10 ⁵ ops. Min. (at rated coil voltage)
Weight	
NO COVER TYPE	abt. 18grs.
SEALED TYPE	abt. 22.5grs.

➤ **REFERENCE DATA**



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.
(1148AA08VOL01)