



TRP

MAIN FEATURES

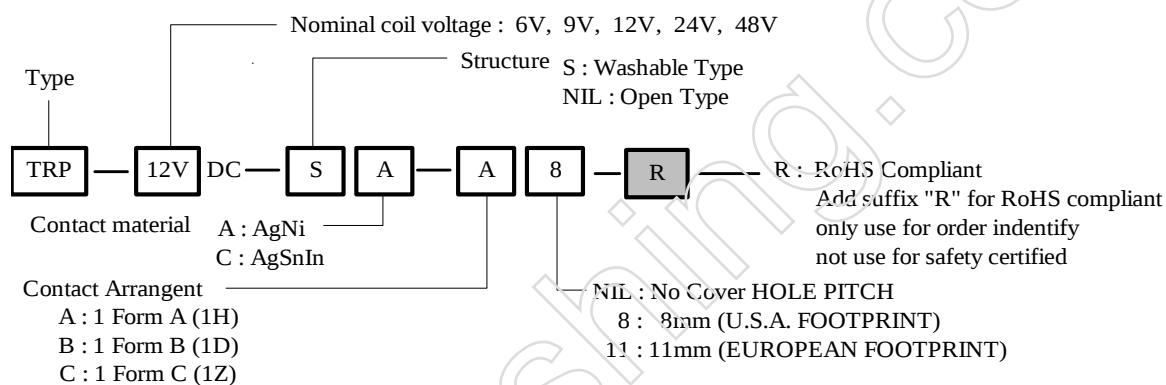
- Subminiature, PCB Mounting.
- Heavy Duty, Silver Alloy Contacts up to 30A or 45A.
- 1 Form A, 1 Form B or 1 Form C.
- Two different spacing arrangements of terminals are available to meet the world standards.
- Used for Automotives, Industrial Control. Household Appliances and Heavy Loads, etc.



TYPICAL APPLICATIONS IN AUTOMOTIVE INDUSTRY

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

ORDERING INFORMATION

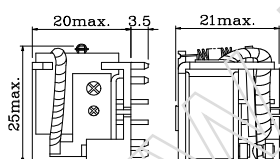


DIMENSION (unit:mm)

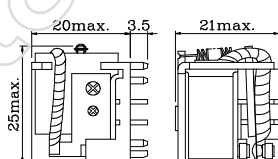
DRILLING (unit:mm)

WIRING DIAGRAM

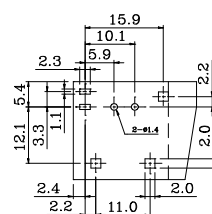
Open - European Footprint



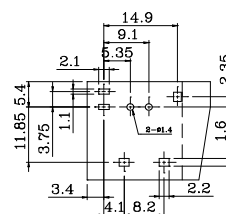
Open - US Footprint



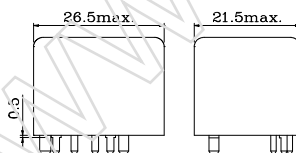
Open - European Footprint



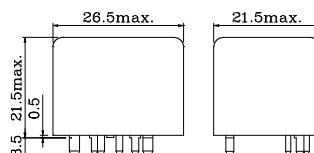
Open - US Footprint



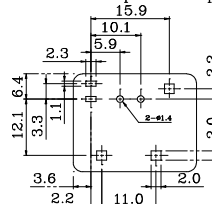
Sealed - European Footprint



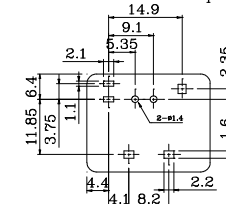
Sealed - US Footprint



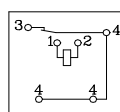
Sealed - European Footprint



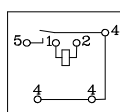
Sealed - US Footprint



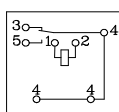
1D



1H



1Z



COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal 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)
TRP	06	6	315	19	abt. 1.6 ~ 1.9	60% Max.	10% Min.	160%
	12	12	136	90				
	24	24	67	360				

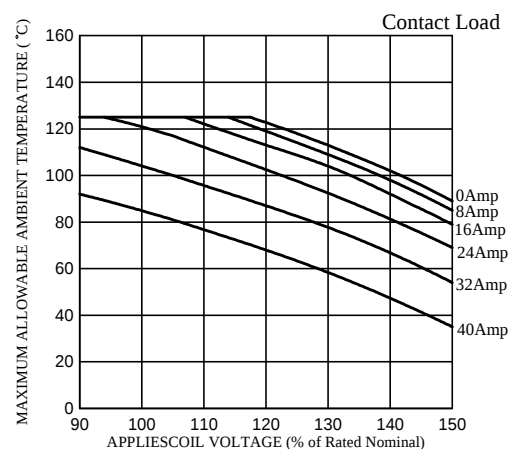
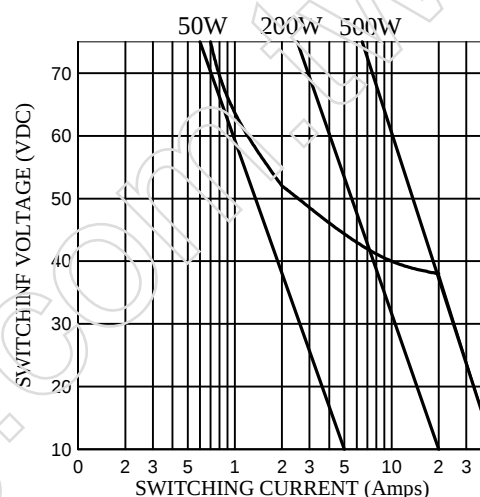
CONTACT RATING

Type	TRP			
Item	Form A (1H)	Form B (1D)	Form C (1Z)	
			N/O	N/C
Contact Rating	40A 15VDC or 12A 60VAC Resistive			
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)

Type	TRP
Contact Resistance	100m Ω Max.
Operate Time	5msec Max.
Release Time	3msec Max.
Dielectric Strength	500Vrms.
Insulation Resistance	100 M Ω Min. (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 to 200Hz Double Amplitude 1.5mm
Shock	150m/sec ² , 11ms
Life Expectancy	
Mechanically	10 × 10 ⁶ ops. Min. (no load)
Electrically	10 × 10 ⁴ ops. Min. (at rated coil voltage)
Weight	abt. 18grs (NO COVER) abt. 22.5grs. (SEALED TYPE)

REFERENCIAL DATA



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