

TRP

MAIN FEATURES

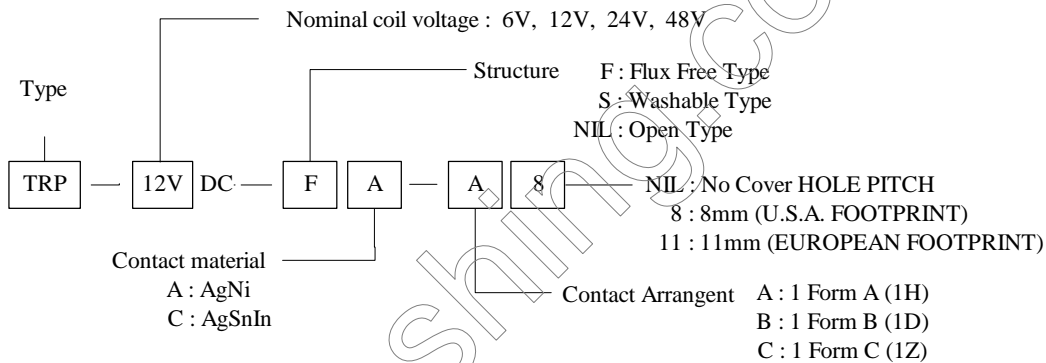
- ¹ Subminiature, PCB Mounting.
- ¹ Heavy Duty, Silver Alloy Contacts up to 30A or 45A.
- ¹ 1 Form A, 1 Form B or 1 Form C.
- ¹ Two different spacing arrangements of terminals are available to meet the world standards.
- ¹ Used for Automotives, Industrial Control. Household Appliances and Heavy Loads,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



TYPICAL APPLICATIONS IN AUTOMOTIVE INDUSTRY

- | | | |
|--------------------------------------|---|--|
| ¹ Direction Indicators | ¹ Air Conditioning | ¹ Car alarm system |
| ¹ Interval Wipers Control | ¹ Central door lock | ¹ Initial value control |
| ¹ Fuel Pump Control | ¹ Anti-lock braking system | ¹ Automatic mirror adjustment |
| ¹ Ventilation Motor | ¹ Self tension adjustment | ¹ Sliding roof |
| ¹ Hazard Lights | ¹ Window lifter | |
| ¹ Heater Control | ¹ Seat positioning | |
| ¹ Rear Window Heating | ¹ Flashes or turning signals | |

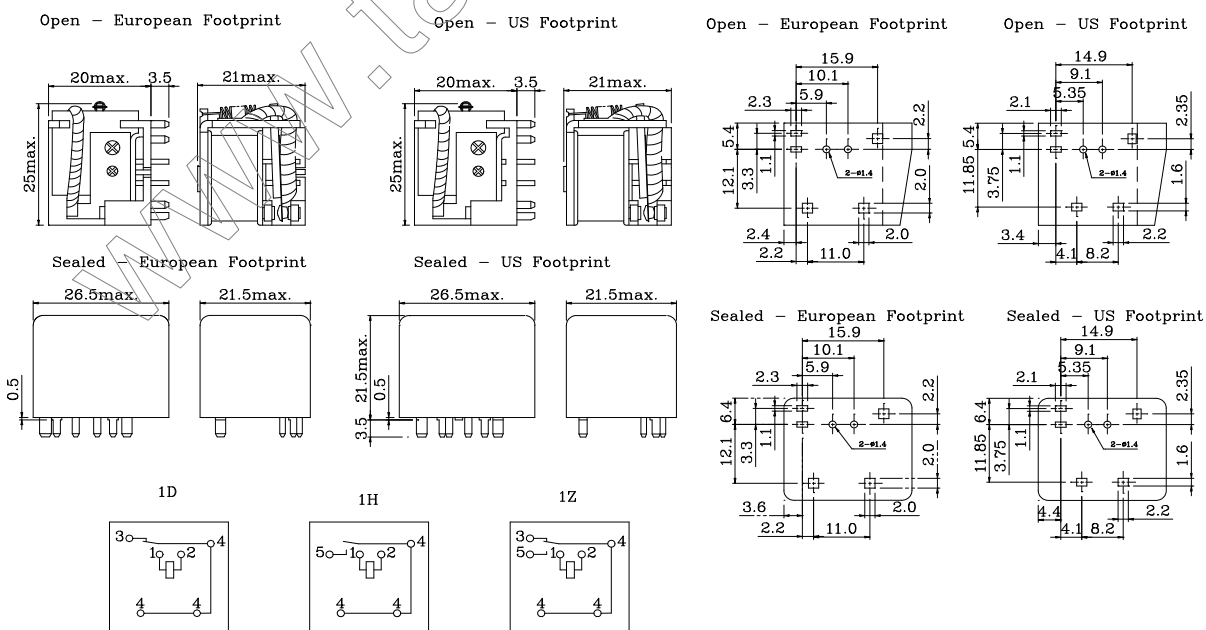
ORDERING INFORMATION



DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



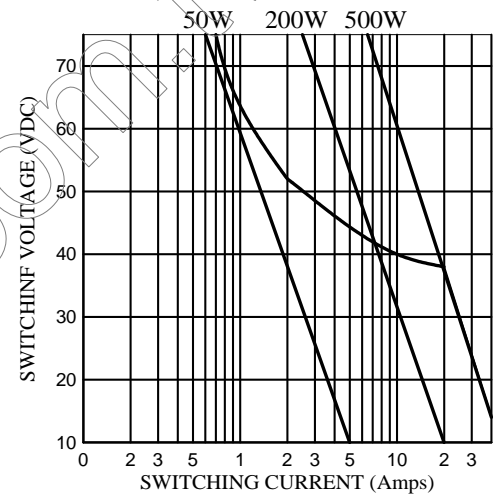
COIL DATA CHART (AT20³/4C)

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-1H (1 Form A) TRP-1D (1 Form B)	06	6	353	17	abt. 1.9 ~ 2.1	57% Max.	5% Min.	140%
	12	12	160	75				
	24	24	80	300				
	48	48	44	1080				
TRP-1Z (1 Form C)	06	6	315	19	abt. 1.6 ~ 1.9	65% Max.	5% Min.	160%
	12	12	136	88				
	24	24	67	360	abt.			
	48	48	37	1300				

CONTACT RATING

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

REFERENCIAL DATA



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. (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)

