



TRK

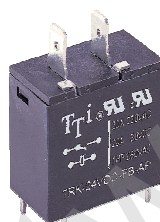
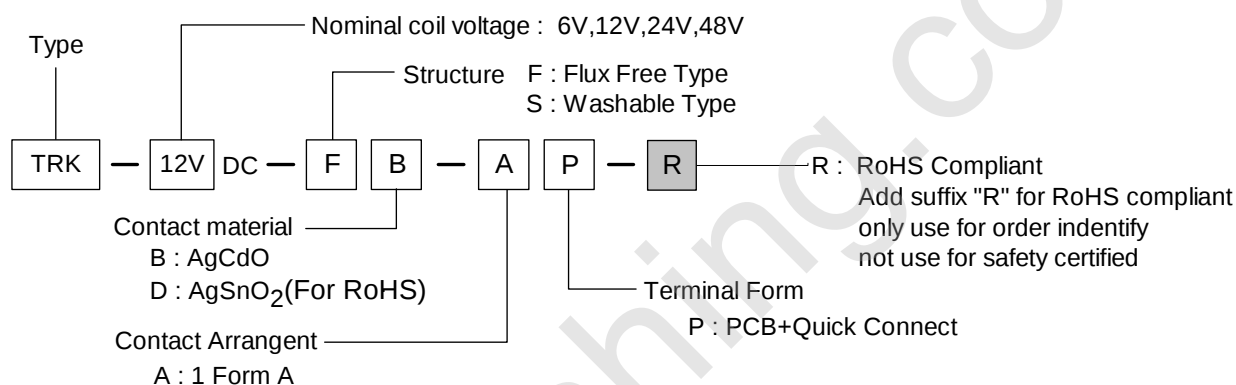
➤ MINIATURE HEAVY-DUTY RELAYS

- 20A switching capability.
- SPST-NO configuration.
- Withstand inrush current of 60A.
- Creeped Distance more than 8mm.
- PCB & QCT Terminal.
- UL & cUL recognized.

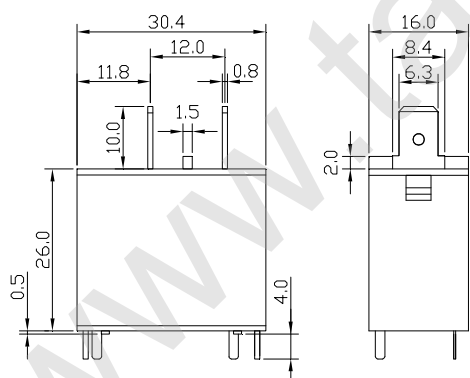
➤ APPLICATIONS

- Aircondit compressor and Heater control use.
- Fax Machine; Equipment, Lamp and Motor control.
- Microwave over Magnetron control, etc.

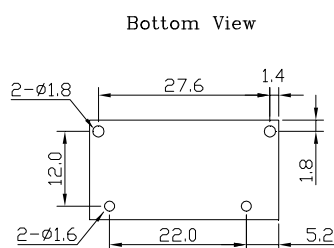
➤ ORDERING INFORMATION



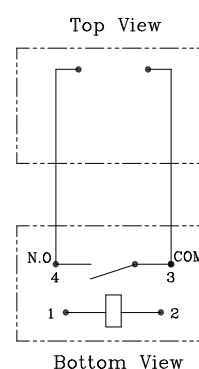
■ DIMENSION (unit:mm)



■ DRILLING (unit:mm)



■ WIRING DIAGRAM



➤ **COIL DATA CHART**(at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance Ω ($\pm 10\%$)	Power Consumption (W)	Pick-Up Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRK	6	150	40	Approx. 0.9W	70% Max.	10% Min.	130% Max.
	12	75	160				
	24	37.5	640				
	48	18.75	2560				

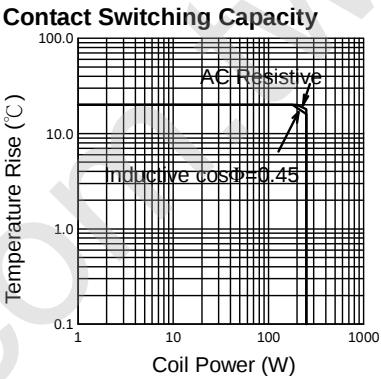
➤ **CONTACT RATING**

Item \ Type	TRK
Contact Rating	
Resistive	20A 277VAC
Motor	1.5HP 250VAC ($\cos\Phi=0.4$)
Switching Voltage (Max.)	277VAC
Switching Current (Max.)	20A
Switching Capacity (Max.)	4400VA
Initial Contact Resistance	50m Ω (at 1A/24VDC)
Contact Material	Ag Alloy

➤ **PERFORMANCE** (at initial value)

Item \ Type	TRK
Contact Resistance	50m Ω Max.
Operation Time	15 ms
Release Time	10 ms
Dielectric Strength	
Between Coil and Contacts	2000VAC 50Hz 1minute
Between Open Contact	1000VAC 50Hz 1minute
Insulation Resistance	1000M Ω (at 500VDC)
Ambient Temperature	-40°C to +70°C
Humidity	20% to 85%
Vibration	10 to 55Hz Double Amplitude 1.5mm
Shock	
Functional	100 m/s ² 11ms
Endurance	1000 m/s ² 11ms
Life Expectancy	
Mechanically	500,000 ops. Min.(NO Load)
Electrically	Resistive : 20A 277VAC 100,000 ops Motor : 1.5HP 250VAC 100,000 ops
Weight	Approx. 40g
UL & cUL	E156406

➤ **USEFUL CURVES**



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.
(1029AA08VOL01)