

PCB

TRC3

- Creepage distance:10mm;
- Au-clad contact available
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive




■ ORDERING CODE

TRC3	D	—	12VDC	—	S	—	2Z
1	2	3	4	5			
1. Relay Model			4. S : Sealed				
2. Coil Power D=0.4W			5. 2Z: Form 2C 2H: Form 2A				
3. Coil Nominal Voltage 5,6,9,12,18,24,48,60VDC							

■ COIL DATA (at 20°C)

COIL DATA (at 20°C)									
Nominal Voltage (VDC)	5	6	9	12	18	24	48	60	0.4W
Coil Resistance (Ω ±10%)	62	90	202	360	810	1440	5760	7500	
Rated Current (mA)	80	66.7	44.6	33.3	22.2	16.7	8.3	8	
Max Operate Voltage (VDC)	3.5	4.2	6.3	8.4	12.6	16.8	33.6	42	
Min Release Voltage (VDC)	0.5	0.6	0.9	1.2	1.8	2.4	4.8	6.0	
Max Voltage	23°C 130%								

■ CONTACT DATA

Contact Form	2H/2Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ =1)
Contact Ratings	8A 250VAC
Minimum load	100mA 5VDC
Max Switching Voltage	440VAC/125VDC
Max Switching Current	8A
Max Switching Power	2000VA
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at20Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

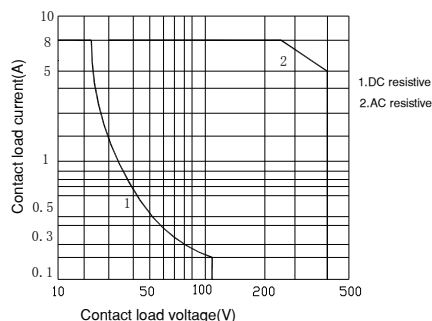
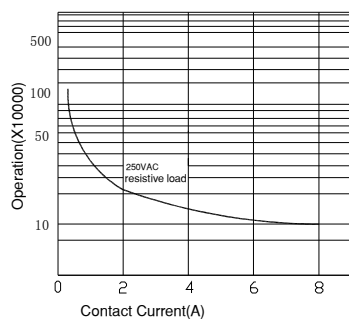
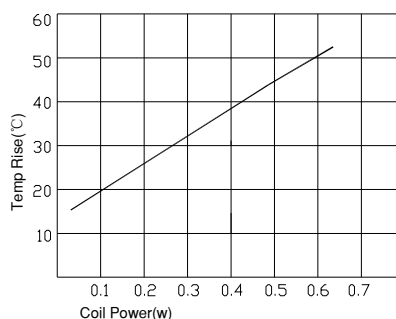
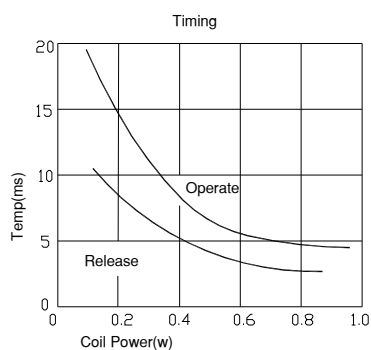
■ CHARACTERISTICS DATA

Insulation Resistance		100M Ω Min at 500VDC
Dielectric Strength	Between Open Contacts	1000VAC(for one minute)
	Between Contacts and Contacts	2500VAC(for one minute)
	Between Contacts and coil	5000VAC(for one minute)
Operate Time		15ms
Release Time		8ms
Temperature Range		-40°C to +85°C
Shock Resistance		Operating Extremes : 10G
		Damage Limits : 100G
Vibration Resistance		10-55Hz, 1.5mm
Max. switching frequency		Mechanical: 18,000operations/hr
		Electrical: 1,200operations/hr
Humidity		40-85%
Weight		Approx 14g
Safety Standard		UL cUL

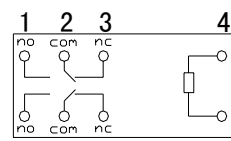
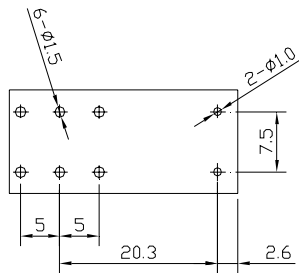
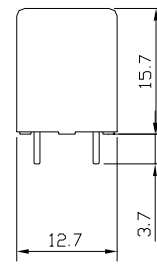
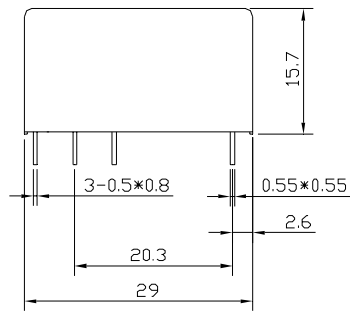
■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
TRC3	5 to 60VDC	UL/cUL	8A 250VAC

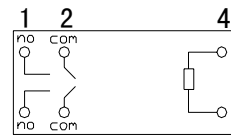
■ ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS



2Z Form 2C



2H Form 2A