


TRC1-D24

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



 E173485

ORDERING CODE

<u>TRC1</u>	<u>D</u>	<u>12VDC</u>	<u>S</u>	<u>Z</u>	<u>1</u>			
1	2	3	4	5	6			
1. Relay Model			4. S : Sealed		6.			
2. Coil Power D=0.4W			5. Z: Form C		1 : 3.5 mm			
3. Coil Nominal Voltage 5,6,9,12,18,24,48,60VDC			H: Form A		2: 5.0mm			

COIL DATA (at 20°C)

Nominal Voltage(VDC)	5	6	9	12	18	24	48	60	0.4W
Coil Resistance($\Omega \pm 10\%$)	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	H/Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ =1)
Contact Ratings	12A 250VAC
Minimum load	100mA 5VDC
Max Switching Voltage	440VAC/125VDC
Max Switching Current	12A
Max Switching Power	3000VA
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical: 100,000 Operations(at20Operations/minute)
	Mechanical: 10,000,000 Operations(at300Operations/minute)

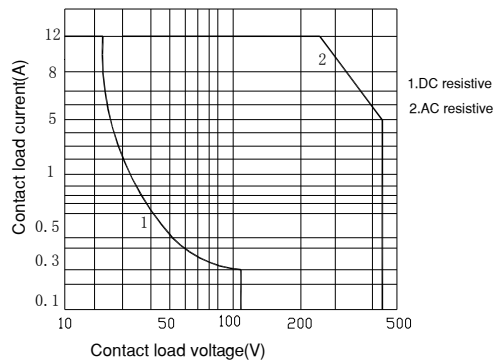
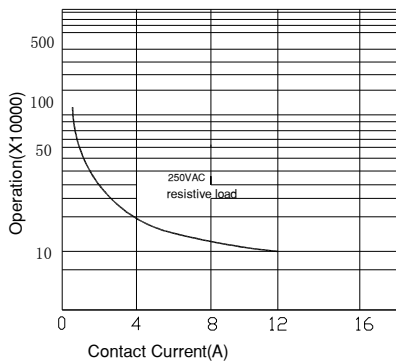
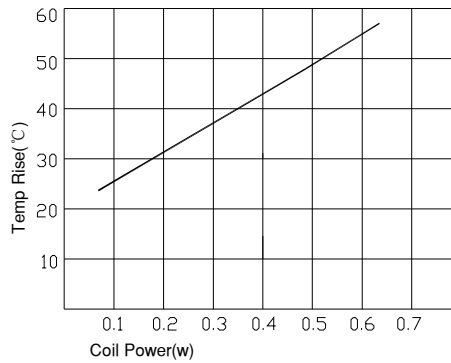
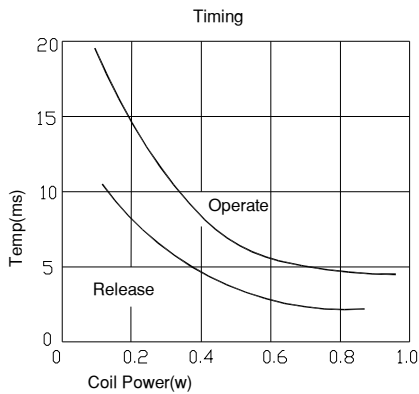
■ CHARACTERISTICS DATA

Insulation Resistance	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts	1000VAC(for one minute)
Between Contacts and 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

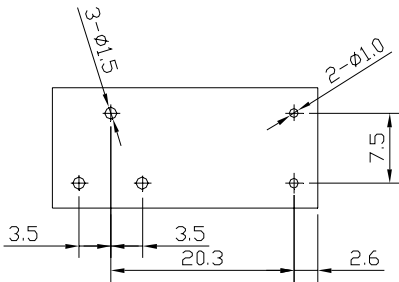
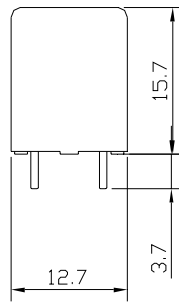
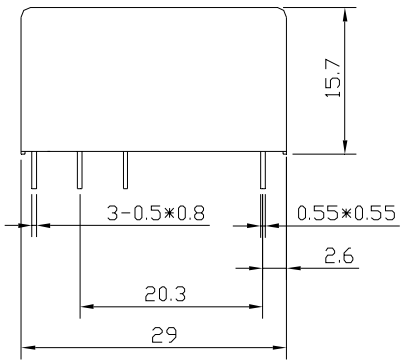
■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
TRC1	5 to 60VDC	UL/cUL	12A 250VAC

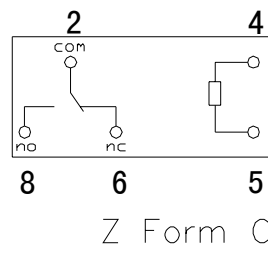
■ ENGINEERING DATA



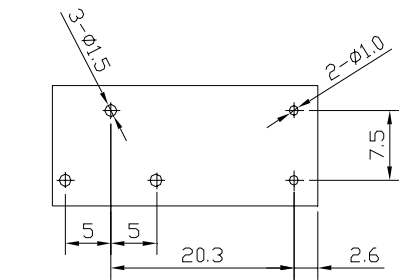
■ OVERALL AND MOUNTING DIMENSIONS



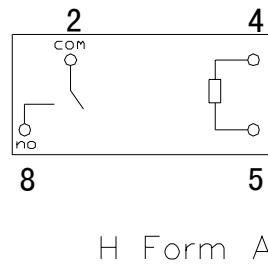
TRC1 D-xxVDC-S-x 1



Z Form C



TRC1 D-xxVDC-S-x 2



H Form A