

PCB

TRG2

- 10A switching capability
- SPDT configuration
- Standard PC layout
- Sealed type available
- Surge resistance of 4000V
- Conform to RoHS,ELV directive



ORDERING CODE

TRG2	D	—	12VDC	—	S	—	H
1	2	3	4	5			
1. Relay Model					4. S : Sealed		
2. Coil Power					S H :		
D=0.45W, L=0.2W					5. H: Form A		
3. Coil Nominal Voltage					Z:Form C		
3,5,6,9,12,18,24,48VDC							

COIL DATA (at 20°C)

Nominal Voltage (VDC)	3	5	6	9	12	18	24	48	
Coil Resistance ($\Omega \pm 10\%$)	20	56	80	180	320	720	1280	5120	0.45W
Rated Current (mA)	150	89.28	75	50	37.5	25	18.75	9.38	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	13.5	18	36	
Min Release Voltage (VDC)	0.15	0.25	0.3	0.45	0.6	0.9	1.2	2.4	
Nominal Voltage (VDC)	3	5	6	9	12	18	24		
Coil Resistance ($\Omega \pm 10\%$)	45	125	180	405	720	1600	2880		0.2W
Rated Current (mA)	67	40	33.3	22	16.7	11.3	8.3		
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	13.5	18		
Min Release Voltage (VDC)	0.15	0.25	0.3	0.45	0.6	0.9	1.2		
Max Applicable Voltage	70°C 130%, 23°C 170%								

CONTACT DATA

Contact Form	1H,1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ 1)
Contact Ratings	10A 125VAC 5A250VAC 5A30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	277VAC/30VDC
Max Switching Current	10A
Max Switching Power	2500VA/300W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100, 000 Operations(at30Operations/minute) Mechanical : 10, 000, 000 Operations(at300Operations/minute)

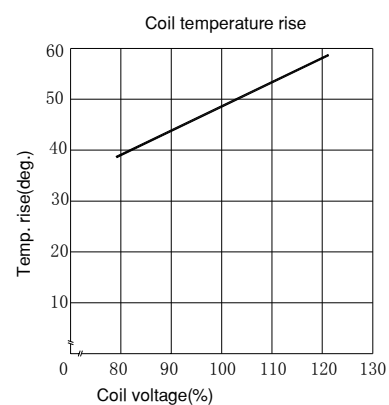
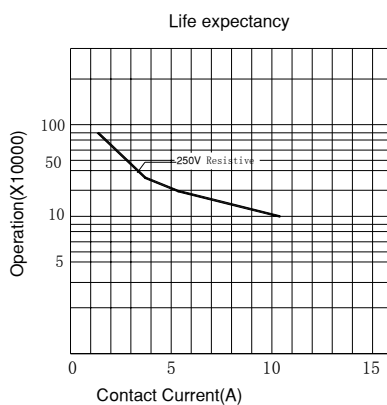
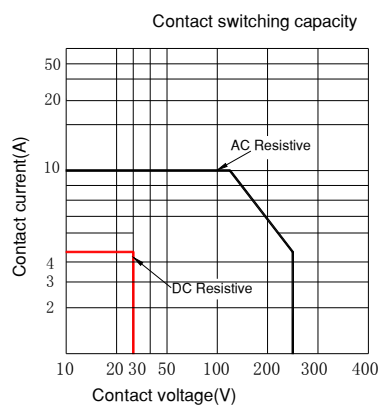
■ CHARACTERISTICS DATA

Insulation Resistance	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts	1000VAC(for one minute)
Between Contacts and coil	4000VAC(for one minute)
Operate Time	8ms
Release Time	5ms
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: 18,000 operations/hr
	Electrical: 1,800 operations/hr
Humidity	40-85%
Weight	Approx 7g
Safety Standard	

■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
TRG1H	3 to 24VDC	UL	
		CQC	
		TÜV	

■ ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS

