

<b>PCB</b>	<b>TRG1(H)</b>
------------	----------------

- 5A switching capability
- SPST-NO configuration
- Standard PC layout
- Sealed type available
- Surge resistance of 5000V
- Conform to RoHS,ELV directive



08002028070  
 US E173485  
 R50108695

**ORDERING CODE**

<u>TRG1</u>	<u>D</u>	<u>—</u>	<u>12VDC</u>	<u>—</u>	<u>S</u>	<u>—</u>	<u>H</u>	<u>IT</u>
1	2	3	4	5	6			
1. Relay Model	4. Sealed							
2. Coil Power D=0.45W, L=0.2W	5. H: Form A							
3. Coil Nominal Voltage 3,5,6,9,12,18,24VDC	6. IT : GWIT 750°C (2s)			Nil : Standard				

**COIL DATA (at 20°C)**

Nominal Voltage (VDC)	3	5	6	9	12	18	24	0.2W
Coil Resistance ( $\Omega \pm 10\%$ )	45	125	180	405	720	1620	2880	
Rated Current (mA)	66.67	40	33.33	22.22	16.67	11.11	8.33	
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	
Coil Resistance ( $\Omega \pm 10\%$ )	20	56	80	180	320	720	1280	0.45W
Rated Current (mA)	150	89.28	75	50	37.5	25	18.75	
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
Contact Material	Silver Alloy
Load	Resistive load(COS $\Phi$ 1)
Contact Ratings	1H-D: 10A 125VAC 5A 250VAC/30VDC 1H-L: 3A 250VAC/30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	277VAC/30VDC
Max Switching Current	1H-D:5A                      1H-L:3A
Max Switching Power	1H-D:1200VA/150W      1H-L: 600VA/90W
Contact Resistance	100m $\Omega$ Max                      at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

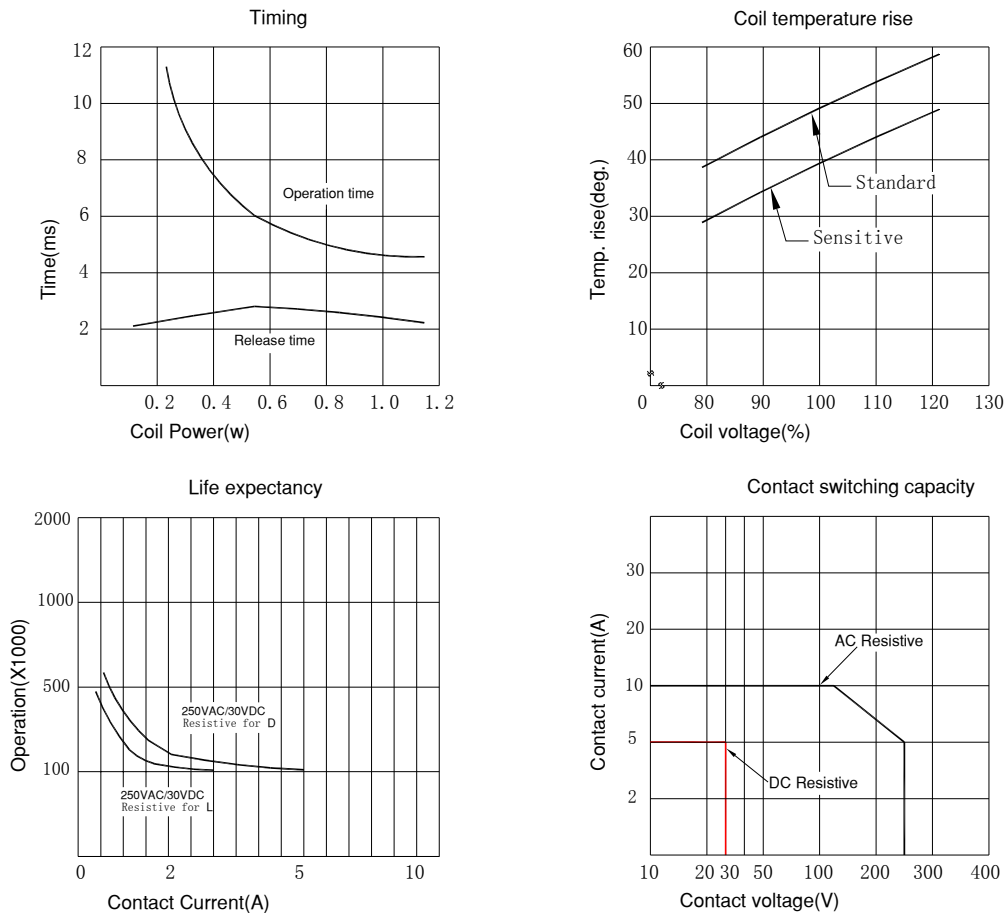
## ■ CHARACTERISTICS DATA

Insulation Resistance	100M $\Omega$ Min at 500VDC
Dielectric Strength Between Open Contacts	1000VAC(for one minute)
Between Contacts and coil	4000VAC(for one minute)
Operate Time	1H-D:10ms      1H-L: 15ms
Release Time	4ms
Temperature Range	-40°C to +85°C (no freezing)
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 6g
Safety Standard	UL cUL TÜV CQC

## ■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating	
TRG1	3 to 24VDC	UL	10A 120VAC    5A 240VAC 3A 240VAC    3A 30VDC	
		CQC	5A 240VAC	
		TÜV	1H-D	5A 250VAC 10A 125VAC 5A 30VDC
			1H-L	3A 250VAC 3A 30VDC

## ■ ENGINEERING DATA



## ■ OVERALL AND MOUNTING DIMENSIONS

1H

