

PCB	TRG1
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- 5A switching capability
- SPST-NO configuration
- Standard PC layout
- Sealed type available
- Surge resistance of 5000V
- Conform to RoHS,ELV directive

07001021631

us E173485

R50108695

18.2×10.2×15.2

ORDERING CODE

<u>TRG1</u>	<u>D</u>	—	<u>12VDC</u>	—	<u>S</u>	—	<u>H</u>
1	2		3		4		5
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					

COIL DATA at 20°C)

Nominal Voitage (VDC)	3	5	6	9	12	18	24	
Coil Resistance ($\Omega \pm 10\%$)	45	125	180	405	720	1620	2880	0.2W
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		130%, 23		170%			

CONTACT DATA

Contact Form	1H
Contact Material	Silver Alloy
Load	Resistive load(COS Φ 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 Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

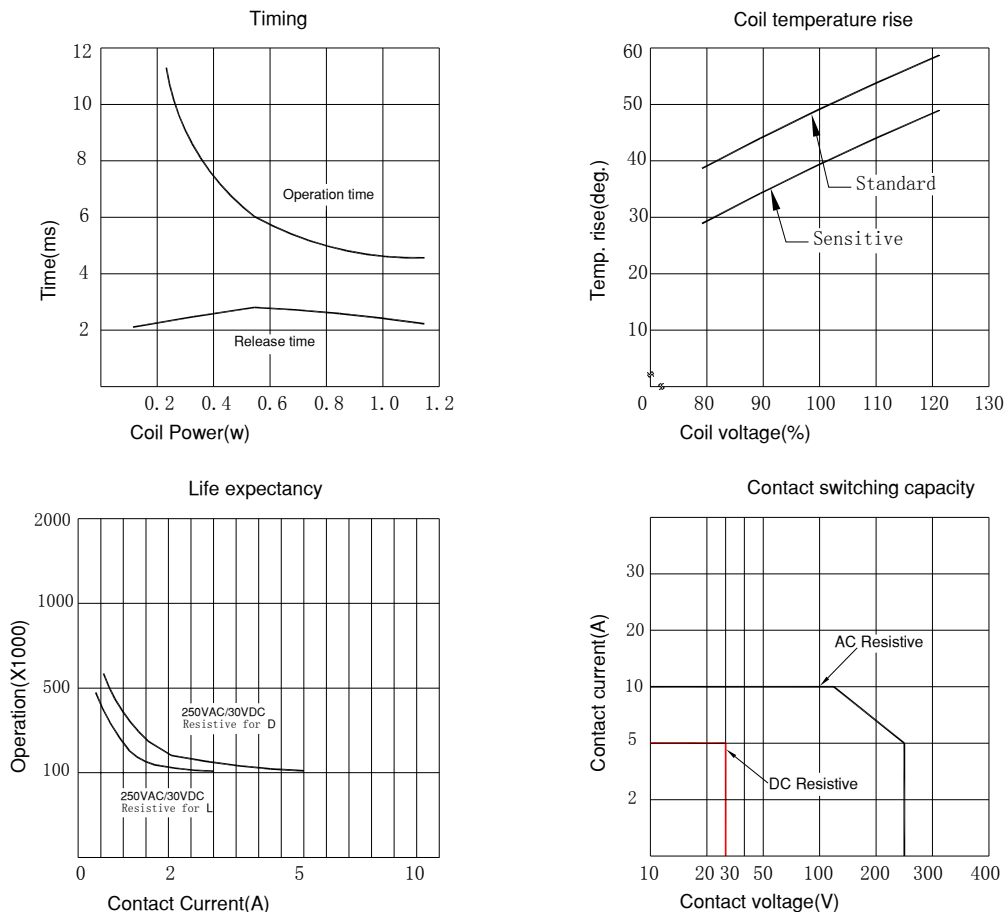
■ CHARACTERISTICS DATA

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	1H-D:10ms 1H-L: 15ms
Release Time	4ms
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: 1,800operations/hr
Humidity	40-85%
Weight	Approx 6g
Safety Standard	UL cUL TÜV CQC

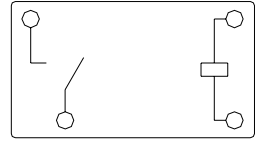
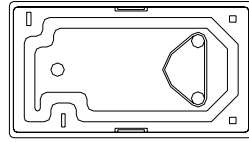
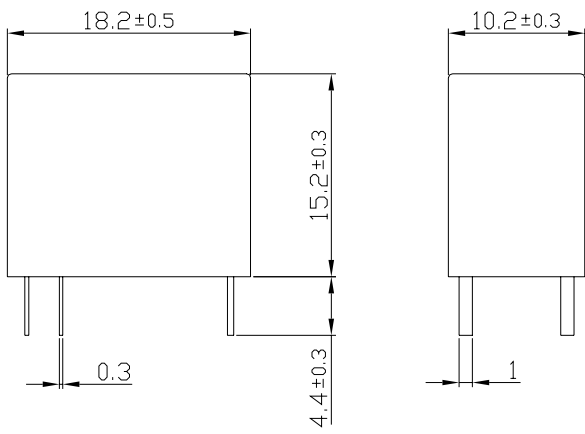
■ APPROVED STANDARDS

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



Wiring Diagram

