



■ Features

- Creepage distance: 8.0mm Min
- Au-clad contact available
- Transparent sealed available
- Class B/F available
- Conform to RoHS, ELV directive

■ Ordering Code

TRA3H D — 12VDC — S — 2Z				
1	2	3	4	5
1. Relay Model	2. Coil Power: D=0.72W, L=0.54W		3. Coil Nominal Voltage: 3, 5, 6, 9, 12, 24, 48VDC	
4. S: Sealed	5. Contact Form: 2Z: Form 2C, 2H: Form 2A			

■ Coil Data (at 20°C)

Coil Resistance($\Omega \pm 10\%$)	17	46	67	150	270	1050	4250	0.54W
Rated Current(mA)	180	108	90	60	45	22.5	11.3	
Max Operate Voltage(VDC)	2.4	4	4.8	7.2	9.6	19.2	38.4	
Min Release Voltage(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Coil Resistance($\Omega \pm 10\%$)	13	35	50	110	200	800	3200	0.72W
Rated Current(mA)	240	144	120	80	60	30	15	
Max Operate Voltage(VDC)	2.4	4	4.8	7.2	9.6	19.2	38.4	
Min Release Voltage(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Max Applicable Voltage	130% of nominal voltage at 70°C, 170% of nominal voltage at 23°C							

■ Contact Data

Contact Form	2H/2Z
Contact Material	Silver Alloy
Load	Resistive Load($\cos\phi=1$)
Contact Ratings	8A 250VAC 5A 30VDC
Minimum Load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	8A
Max Switching Power	2000VA/240W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical: 100,000 Operations (at 30 Operations/minute)
	Mechanical: 10,000,000 Operations (at 300 Operations/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)

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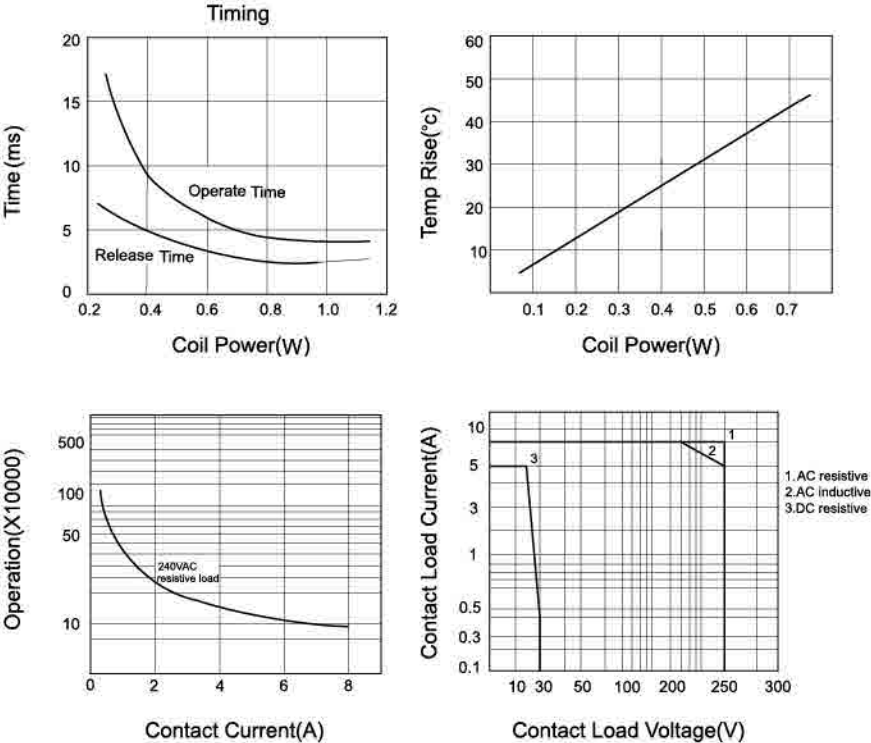
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Operate Time	20ms
Release Time	10ms
Temperature Range	-40°C to +70°C
Shock Resistance	Operating Extremes: 10G Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. Switching Frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr
Humidity	40-85%
Weight	Approx: 14g
Safety Standard	UL cUL CQC

■ Approved Standards

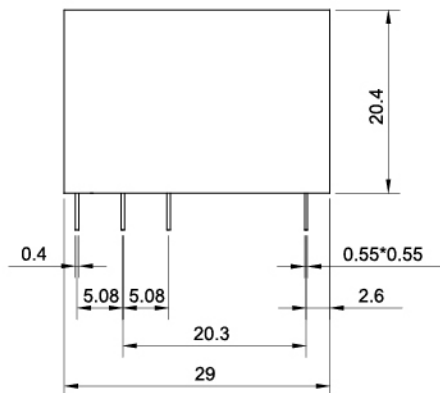
Model	Coil Rating	Safety Standard	Contact Rating
TRA3H	3 to 48VDC	UL/cUL	8A 250VAC 5A 30VDC
		CQC	8A 250VAC

■ Engineering Data

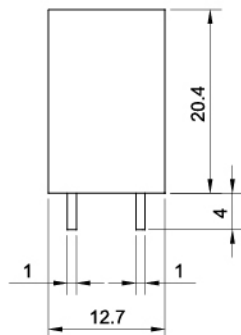
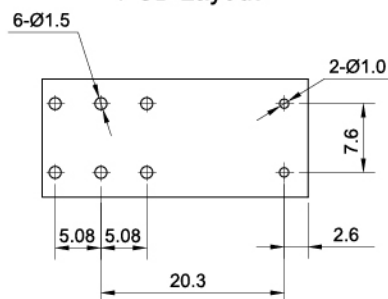


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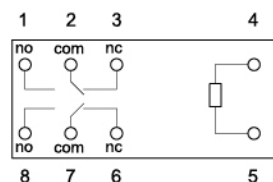
■ Overall and Mounting Dimensions



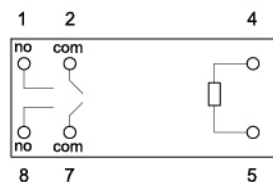
PCB Layout



Wiring Diagram



Form C



Form A

Remark:

- 1). In case the tolerance is not shown in outline dimension, the tolerance should be $\pm 0.2\text{mm}$ for outline dimension $\leq 1\text{mm}$; $\pm 0.3\text{mm}$ for outline dimension: $1\sim 5\text{mm}$ and $\pm 0.4\text{mm}$ for outline dimension $> 5\text{mm}$.
- 2). The tolerance without indication is always $\pm 0.1\text{mm}$ for the dimension of PCB layout.

Disclaimer:

These specifications are just for customers' reference and subject to change without notice.

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