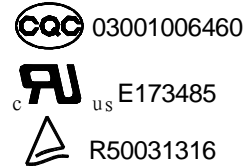


PCB
TRA5

- 2 form A contact arrangements
- Immersion cleanable, sealed version available
- Meet 4,000V dielectric voltage between coil and contacts
- Meet 5,000V surge voltage between coil and contacts(1.2/50ms)
- Conform to RoHS,ELV directive



24.4×12.9×25


ORDERING CODE

<u>TRA5</u>	<u>D</u>	<u>—</u>	<u>12VDC</u>	<u>—</u>	<u>S</u>	<u>—</u>	<u>2H</u>
1	2	3	4	5			
1. Relay Model					4. S: Sealed		
2. Coil Power D=0.54W, L=0.25W					5. 2H: Form 2A		
3. Coil Nominal Voltage 3,5,6,9,12,24,48VDC							

COIL DATA (at 20°C)

Nominal Voltage (VDC)	3	5	6	9	12	24	48	0.25W
Coil Resistance ($\Omega \pm 10\%$)	36	100	144	324	576	2304	9216	
Rated Current (mA)	83	50	42	28	21	10	5	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	
Nominal Voltage (VDC)	3	5	6	9	12	24	48	0.54W
Coil Resistance ($\Omega \pm 10\%$)	17	46	67	150	270	1050	4250	
Rated Current (mA)	180	108	90	60	45	22.5	11.3	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	
Max Applicable Voltage	70		130%, 23			170%		

CONTACT DATA

Contact Form	2H
Contact Material	Silver Alloy
Load	Resistive load(COS Φ =1)
Contact Ratings	5A 250VAC/30VDC TV-3(3A@120VAC)
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	7A
Max Switching Power	1250VA/150W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

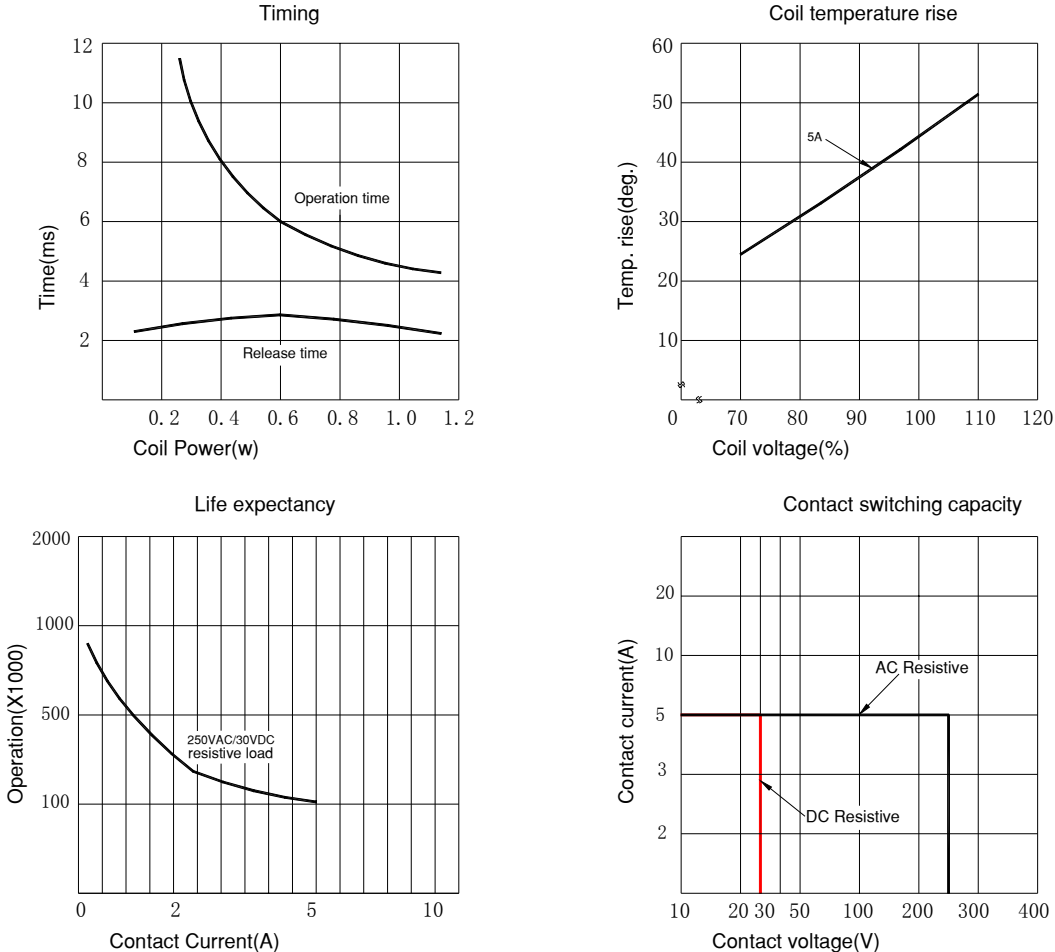
CHARACTERISTICS DATA

Insulation Resistance	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts	1000VAC(for one minute)
Between Contacts and coil	4000VAC(for one minute)
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: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity	20-85%
Weight	Approx 13g
Safety Standard	UL cUL TÜV CQC

APPROVED STANDARDS

Model)	Coiling rating	Safety Standard	Contact rating
TRA5	3 to 48VDC	TÜV	5A 250VAC 5A 30VDC
		UL/cUL	5A 250VAC 5A 30VDC
			TV-3 3A 120VAC
		CQC	5A 250VAC

ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS

