

PCB
TRA3

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



29.5×13×20.6

03001006462

E173485

R50031316

ORDERING CODE

TRA3 D — 12VDC — S — 2Z (2)
 1 2 3 4 5 6

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|--|----------------------------------|-----------------------|
| 1. Relay Model | 4. S: Sealed | 6. Nil: Standard Type |
| 2. Coil Power
D=0.72W, L=0.54W, M=0.24W | 5.
2Z: Form 2C
2H: Form 2A | 2: Transparent Cover |
| 3. Coil Nominal Voltage
3,5,6,9,12,24,48VDC | | |

COIL DATA at 20°C

	3	5	6	9	12	24	48	
Nominal Voltage (VDC)	3	5	6	9	12	24	48	0.24W
Coil Resistance ($\Omega \pm 10\%$)	38	104	150	338	600	2400	9600	
Rated Current (mA)	80	48	40	26.7	20	10	5	
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	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	
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	0.72W
Coil Resistance ($\Omega \pm 10\%$)	13	35	50	110	200	800	3200	
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	70		130%, 23		170%			

CONTACT DATA

Contact Form	2H/2Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ =1)
Contact Ratings	5A 240VAC 5A 30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	8A
Max Switching Power	1250VA/240W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at300Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

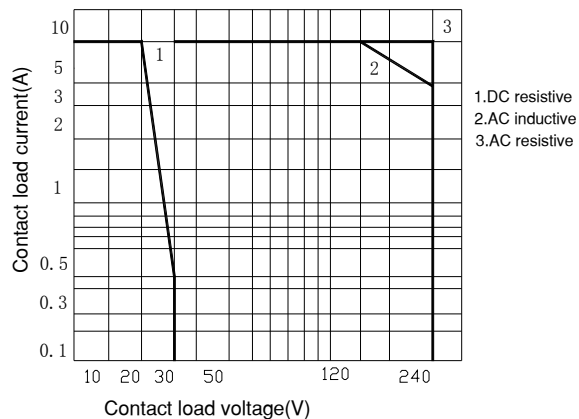
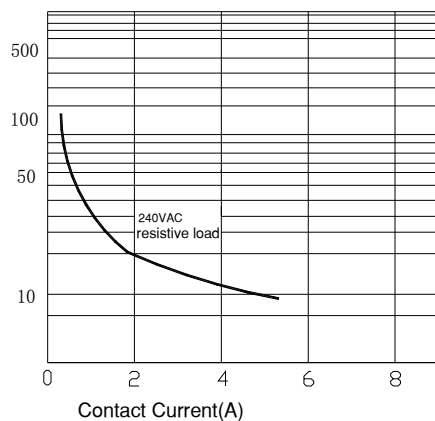
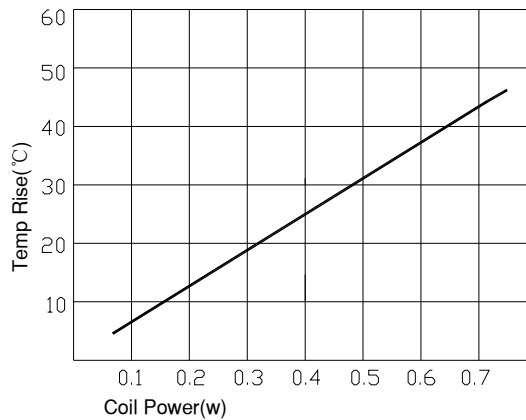
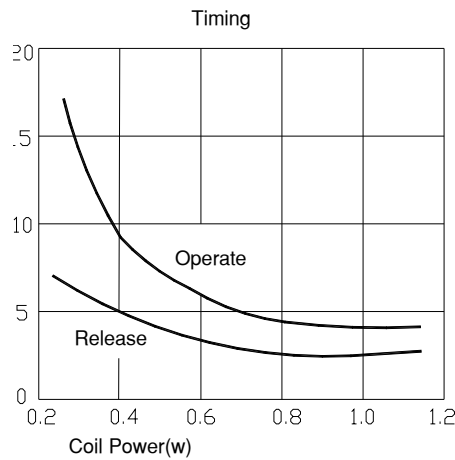
■ CHARACTERISTICS DATA

Insulation Resistance	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts	1000VAC(for one minute)
Between Contacts and coil	5000VAC(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	40-85%
Weight	Approx 14g
Safety Standard	UL cUL TÜV CQC

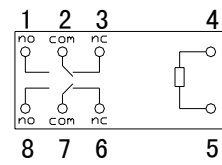
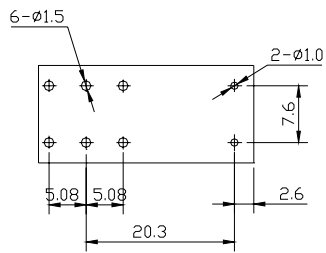
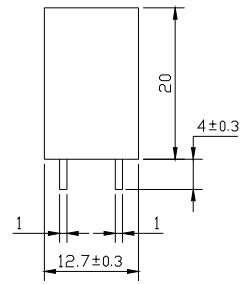
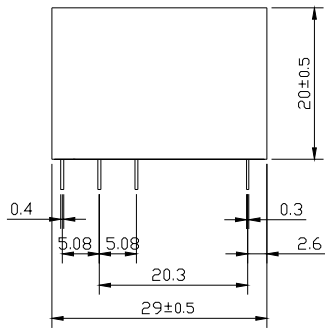
■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
TRA3	3 to 48VDC	TÜV	5A 240VAC 5A 30VDC
		UL/cUL	5A 240VAC 5A 30VDC
		CQC	5A 240VAC

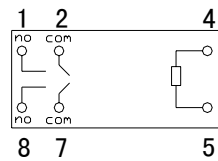
■ ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS



Form C



Form A