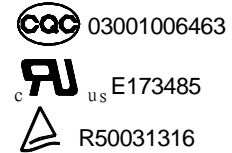


PCB
TRA2

- 16A switching capability
- SPST-NO&SPDT configuration
- 5KV dielectric strength between coil and contacts
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive



29.5×13×20.6


ORDERING CODE

TRA2	D	—	12VDC	—	S	—	Z	(2)
1	2	3	4	5	6			
1. Relay Model						4. S: Sealed		6. Nil: Standard Type
2. Coil Power D=0.72W, L=0.54W, M=0.24W						5. Z: Form C		2: Transparent Cover
3. Coil Nominal Voltage 3,5,6,9,12,24,48VDC						H: Form A		

COIL DATA at 20°C

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	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ =1)
Contact Ratings	16A 240VAC 16A 30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	20A
Max Switching Power	4800VA/480W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

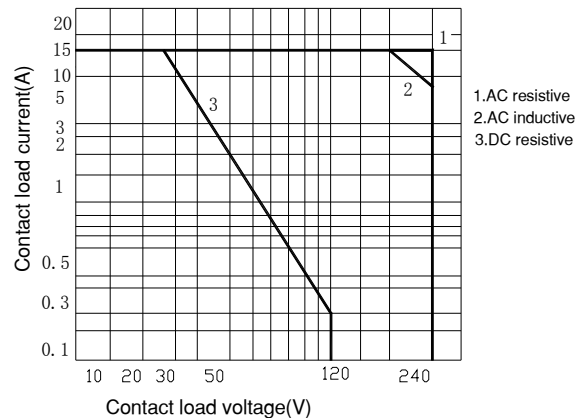
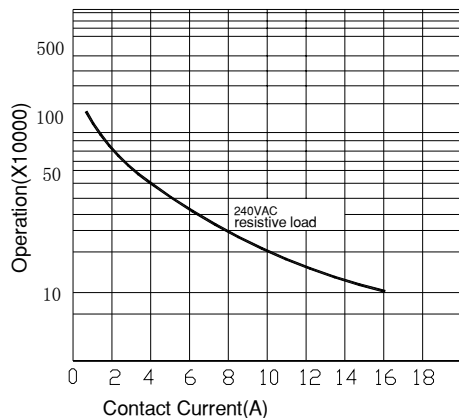
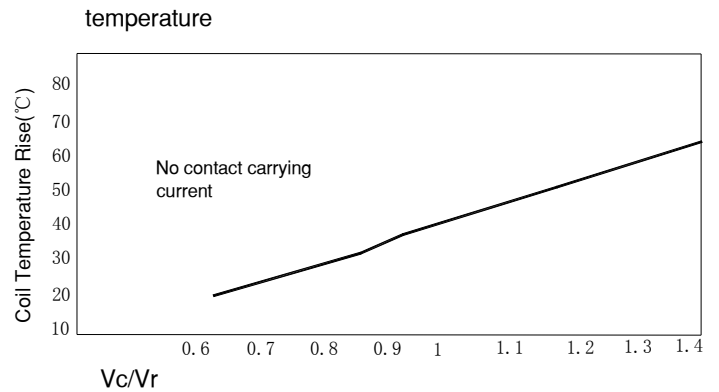
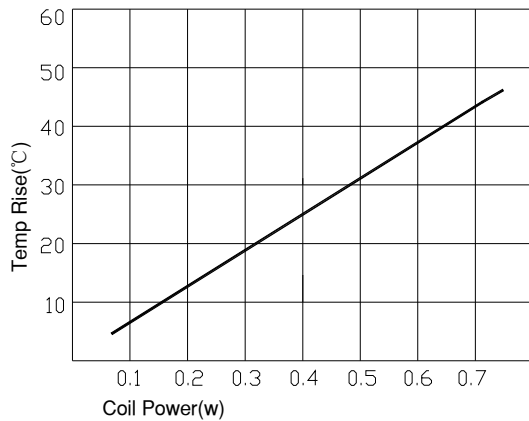
■ CHARACTERISTICS DATA

Insulation Resistance	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts	1000VAC(for one minute)
Between Contacts and coil	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

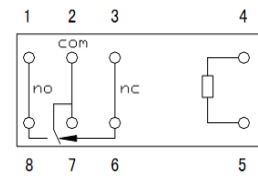
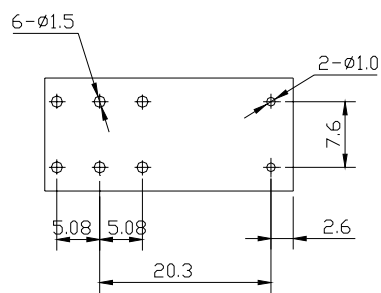
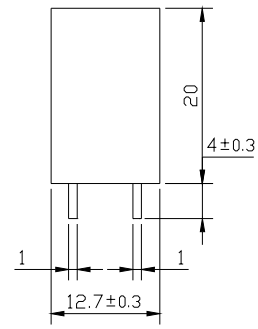
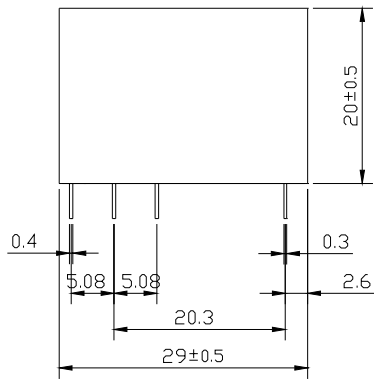
■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
TRA2	3 to 48VDC	TÜV	16A 240VAC 16A 30VDC
		UL/cUL	16A 240VAC 16A 30VDC
		CQC	16A 240VAC

■ ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS



Form C