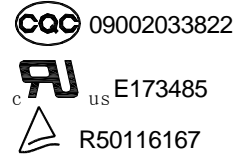


<b>PCB</b>	<b>TRA1</b>
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- 10A switching capability
- SPST-NO&SPDT configuration
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive



**ORDERING CODE**

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**COIL DATA (at 20°C)**

Nominal Voltage (VDC)	3	5	6	9	12	24	48	
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	70°C 130%, 23°C 170%							

**CONTACT DATA**

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS $\Phi$ =1)
Contact Ratings	10A 240VAC 10A 30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	12A
Max Switching Power	2500VA/300W
Contact Resistance	100m $\Omega$ Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at300Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

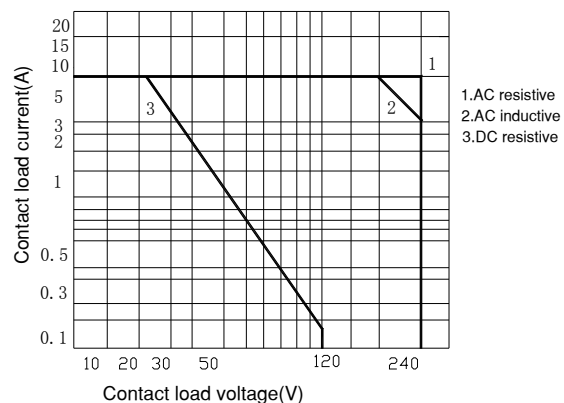
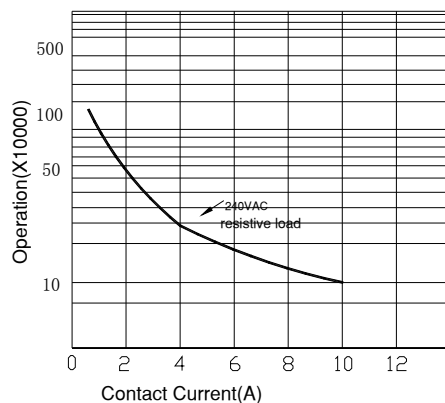
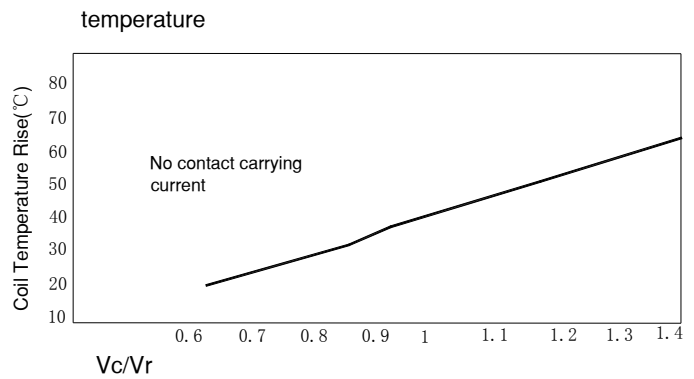
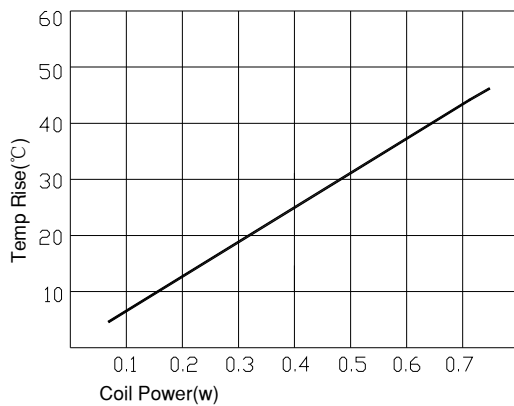
## ■ CHARACTERISTICS DATA

Insulation Resistance	100M $\Omega$ 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 +85°C
Shock Resistance	Operating Extremes : 10G 11ms
	Damage Limits : 100G 6ms
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
TRA1	3 to 48VDC	TÜV	10A 240VAC 10A 30VDC
		UL/cUL	10A 240VAC 10A 30VDC
		CQC	10A 240VAC

## ■ ENGINEERING DATA



### Indian Technological Products Private Limited

## OVERALL AND MOUNTING DIMENSIONS

