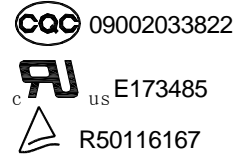


PCB	TRA1
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- 10A switching capability
- SPST-NO&SPDT configuration
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive



ORDERING CODE

<u>TRA1</u> <u>D</u> — <u>12VDC</u> — <u>S</u> — <u>H</u> <u>(2)</u> 1 2 3 4 5 6									
<table style="width:100%; border: none;"> <tr> <td style="width:33%;">1. Relay Model</td> <td style="width:33%;">4. S: Sealed</td> <td style="width:33%;">6. Nil: Standard Type</td> </tr> <tr> <td>2. Coil Power D=0.72W, L=0.54W</td> <td>5. Z: Form C H: Form A</td> <td>2: Transparent Cover</td> </tr> <tr> <td>3. Coil Nominal Voltage 3,5,6,9,12,24,48VDC</td> <td></td> <td></td> </tr> </table>	1. Relay Model	4. S: Sealed	6. Nil: Standard Type	2. Coil Power D=0.72W, L=0.54W	5. Z: Form C H: Form A	2: Transparent Cover	3. Coil Nominal Voltage 3,5,6,9,12,24,48VDC		
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COIL DATA (at 20°C)

	3	5	6	9	12	24	48	
Nominal Voltage (VDC)	3	5	6	9	12	24	48	0.54W
Coil Resistance (Ω ±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	
Coil Resistance (Ω ±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 Φ=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	100mΩ Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at300Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

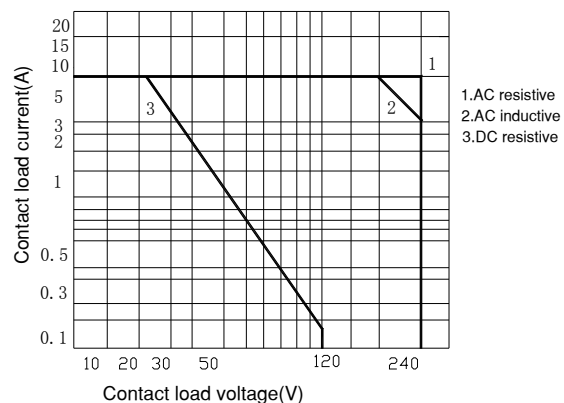
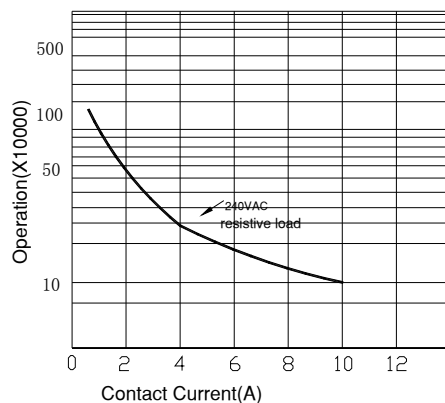
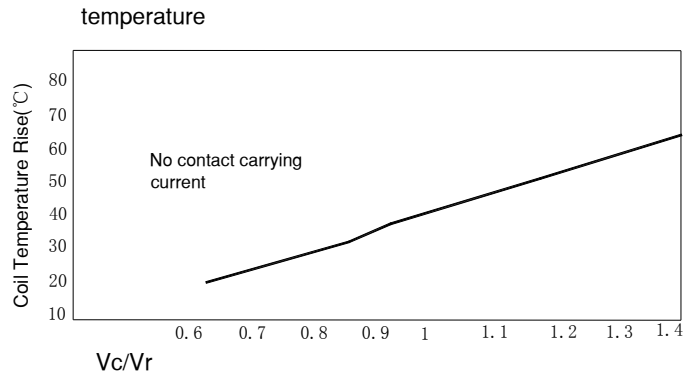
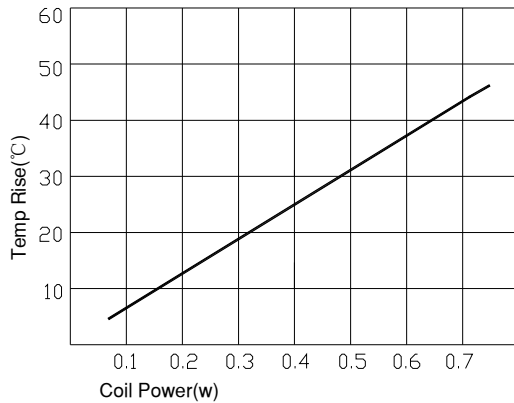
■ CHARACTERISTICS DATA

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 +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

