

PCB 继电器	TRA5
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- 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 订购代码

TRA5	D	—	12VDC	—	S	—	2H
1	2	3	4	5			
1. Relay Model 继电器型号	4. S: Sealed 密封						
2. Coil Power 线圈功率 D=0.54W, L=0.25W	5. 触点转换形式 2H: Form 2A						
3. Coil Nominal Voltage 线圈额定电压 3,5,6,9,12,24,48VDC							

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage 额定电压(VDC)	3	5	6	9	12	24	48	0.25W
Coil Resistance 线圈阻值 (Ω ±10%)	36	100	144	324	576	2304	9216	
Rated Current 额定电流(mA)	83	50	42	28	21	10	5	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage 最小释放电压(VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	
Coil Resistance 线圈阻值(Ω ±10%)	17	46	67	150	270	1050	4250	0.54W
Rated Current 额定电流(mA)	180	108	90	60	45	22.5	11.3	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage 最小释放电压(VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	
Max Applicable Voltage 最大过载电压	70°C时额定电压的130%，23°C时额定电压的170%							

CONTACT DATA 触点参数

Contact Form 触点形式	2H
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS Φ=1)
Contact Ratings 触点负载	5A 250VAC/30VDC TV-3(3A@120VAC)
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage 最大转换电压	250VAC/30VDC
Max Switching Current 最大转换电流	7A
Max Switching Power 最大转换功率	1250VA/150W
Contact Resistance 接触电阻	100mΩ Max at 6VDC 1A
Life Expectancy 寿命	Electrical 电气寿命: 100,000 Operations(at30Operations/minute)
	Mechanical 机械寿命: 10,000,000 Operations(at300Operations/minute)

■ CHARACTERISTICS DATA 性能参数

Insulation Resistance绝缘阻值	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	1000VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	4000VAC(for one minute)
Operate Time吸合时间	20ms
Release Time释放时间	10ms
Temperature Range环境温度	-40 $^{\circ}$ C to +70 $^{\circ}$ C
Shock Resistance冲击	Operating Extremes动作极限: 10G
	Damage Limits破坏极限: 100G
Vibration Resistance振动	10-55Hz, 1.5mm
Max. switching frequency最大转换频率	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity湿度	20-85%
Weight重量	Approx 13g
Safety Standard安全标准	UL cUL TÜV CQC

■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
TRA5	3 to 48VDC	TÜV	5A 250VAC 5A 30VDC
		UL/cUL	5A 250VAC 5A 30VDC
			TV-3 3A 120VAC
CQC	5A 250VAC		

■ ENGINEERING DATA 设计参数

