

PCB 继电器

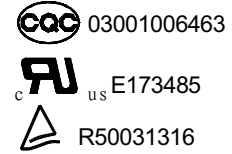
大豪电子
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<http://www.szdahao.com>
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TRA2

- 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 订购代码

TRA2	D	—	12VDC	—	S	—	Z	(2)
1	2	3	4	5	6			
1. Relay Model 继电器型号	2. Coil Power 线圈功率	3. Coil Nominal Voltage 线圈额定电压	4. S: Sealed 密封	5. 触点转换形式	6. Nil: Standard Type 标准			
	D=0.72W, L=0.54W, M=0.24W	3,5,6,9,12,24,48VDC	Z: Form C	H: Form A	2: Transparent Cover			

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage 额定电压(VDC)	3	5	6	9	12	24	48	
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	38	104	150	338	600	2400	9600	0.24W
Rated Current 额定电流(mA)	80	48	40	26.7	20	10	5	
Max Operate Voltage 最大吸合电压(VDC)	2.4	4	4.8	7.2	9.6	19.2	38.4	
Min Release Voltage 最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	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)	2.4	4	4.8	7.2	9.6	19.2	38.4	
Min Release Voltage 最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	13	35	50	110	200	800	3200	0.72W
Rated Current 额定电流(mA)	240	144	120	80	60	30	15	
Max Operate Voltage 最大吸合电压(VDC)	2.4	4	4.8	7.2	9.6	19.2	38.4	
Min Release Voltage 最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
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	1H/1Z
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS Φ =1)
Contact Ratings 触点负载	16A 240VAC 16A 30VDC
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	20A
Max Switching Power 最大转换功率	4800VA/480W
Contact Resistance 接触电阻	100m Ω 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)

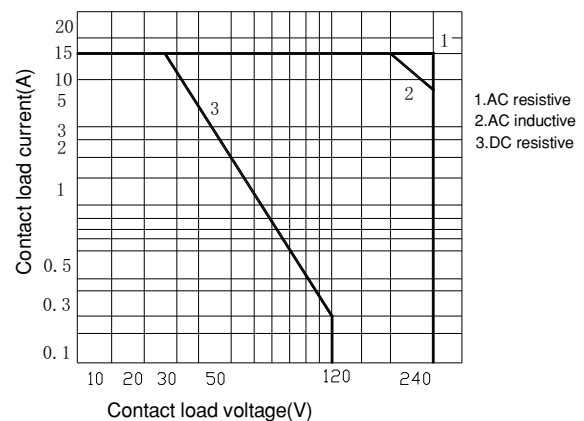
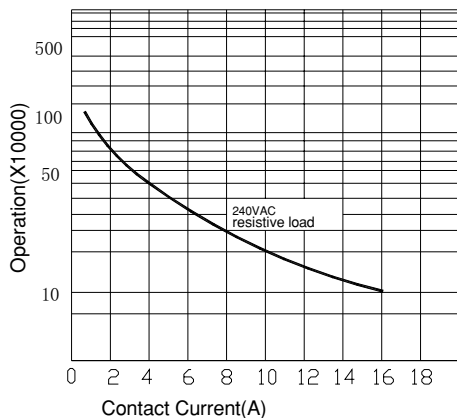
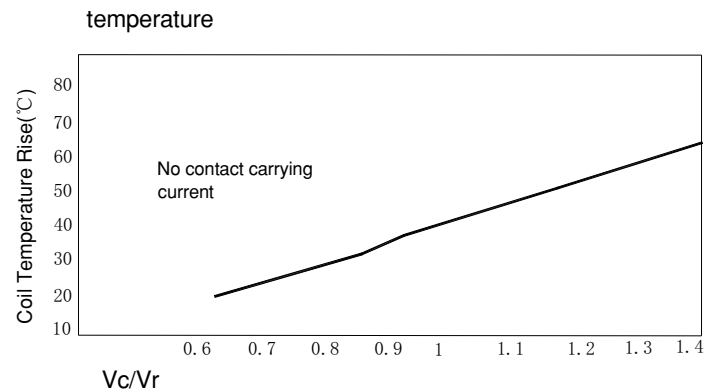
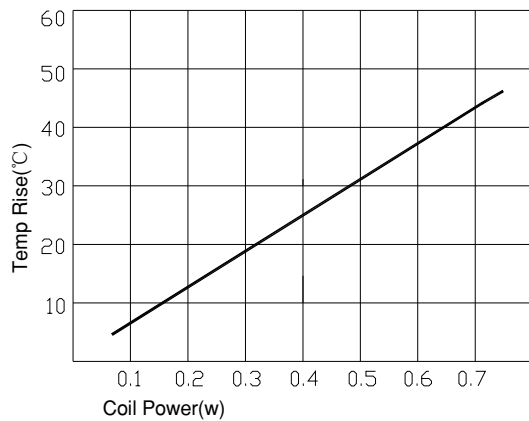
■ CHARACTERISTICS DATA 性能参数

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	5000VAC(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	40-85%
Weight重量	Approx 14g
Safety Standard安全标准	UL cUL TÜV CQC

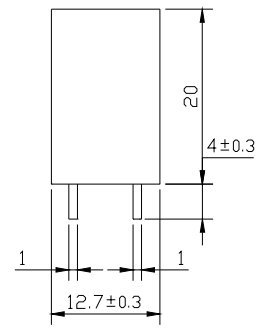
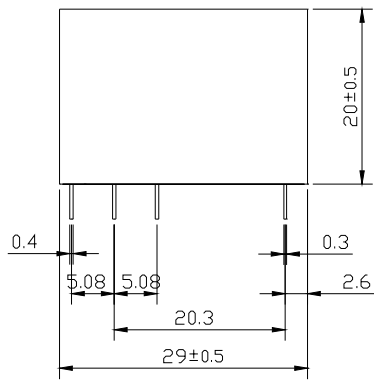
■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
TRA2	3 to 48VDC	TÜV	16A 240VAC 16A 30VDC
		UL/cUL	16A 240VAC 16A 30VDC
		CQC	16A 240VAC

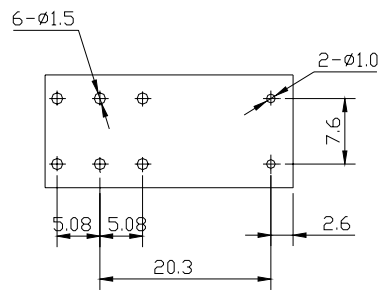
■ ENGINEERING DATA 设计参数



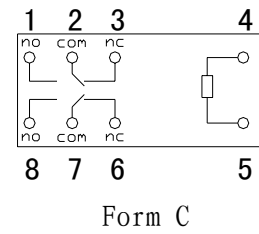
■ OVERALL AND MOUNTING DIMENSIONS 安装图



安装图



接线图



声明:

本产品规格书仅供客户使用时参考, 如有更改, 恕不另行通知。