

# PCB 继电器

# TRC3

- Creepage distance:10mm;
- Au-clad contact available
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive



## ■ ORDERING CODE 订购代码

TRC3					D — 12VDC				S — 2Z	
1	2	3	4	5						
1. Relay Model 继电器型号	2. Coil Power 线圈功率 D=0.4W			3. Coil Nominal Voltage 线圈额定电压 5,6,9,12,18,24,48,60VDC			4. S: Sealed 密封 5. 触点转换形式 2Z: Form 2C 2H: Form 2A			

## ■ COIL DATA 线圈参数 (at 20°C)

Nominal Voltage 额定电压(VDC)	5	6	9	12	18	24	48	60	0.4W
Coil Resistance 线圈阻值( $\Omega \pm 10\%$ )	62	90	202	360	810	1440	5760	7500	
Rated Current 额定电流(mA)	80	66.7	44.6	33.3	22.2	16.7	8.3	8	
Max Operate Voltage 最大吸合电压(VDC)	3.5	4.2	6.3	8.4	12.6	16.8	33.6	42	
Min Release Voltage 最小释放电压(VDC)	0.5	0.6	0.9	1.2	1.8	2.4	4.8	6.0	
Max Voltage 最大电压	23°C时额定电压的130%								

## ■ CONTACT DATA 触点参数

Contact Form 触点形式	2H/2Z
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS $\Phi$ =1)
Contact Ratings 触点负载	8A 250VAC
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage 最大转换电压	440VAC/125VDC
Max Switching Current 最大转换电流	8A
Max Switching Power 最大转换功率	2000VA
Contact Resistance 接触电阻	100m $\Omega$ Max at 6VDC 1A
Life Expectancy 寿命	Electrical 电气寿命: 100,000 Operations(at20Operations/minute)
	Mechanical 机械寿命: 10,000,000 Operations(at300Operations/minute)

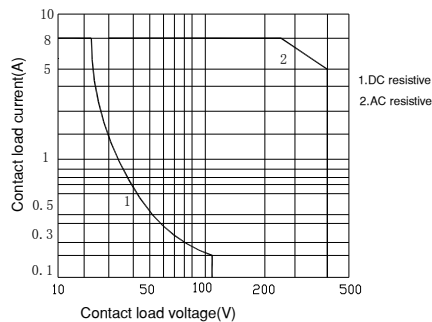
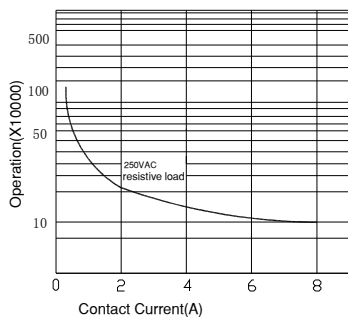
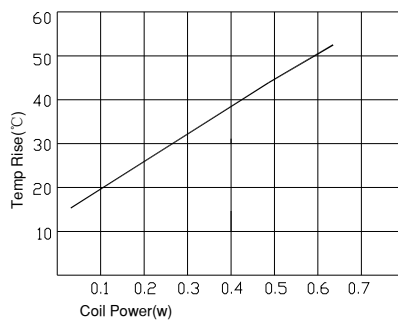
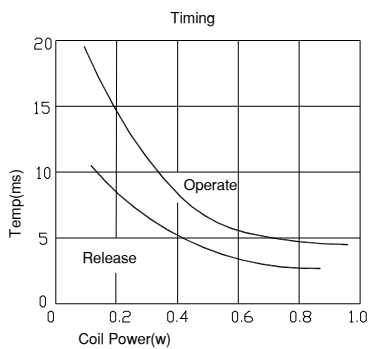
## ■ CHARACTERISTICS DATA 性能参数

Insulation Resistance 绝缘电阻值		100M $\Omega$ Min at 500VDC
Dielectric Strength	Between Open Contacts 触点间耐压	1000VAC(for one minute)
	Between Contacts and Contacts 触点组间耐压	2500VAC(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		15ms
Release Time 释放时间		8ms
Temperature Range 环境温度		-40 $^{\circ}$ C to +85 $^{\circ}$ 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: 1,200operations/hr
Humidity 湿度		40-85%
Weight 重量		Approx 14g
Safety Standard 安全标准		UL cUL

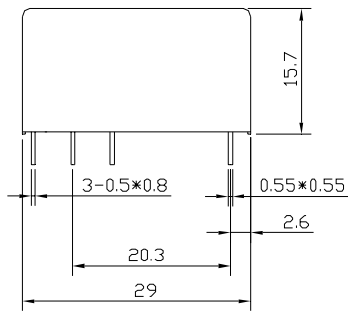
## ■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
TRC3	5 to 60VDC	UL/cUL	8A 250VAC

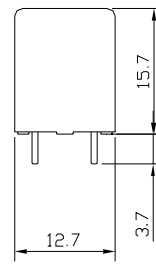
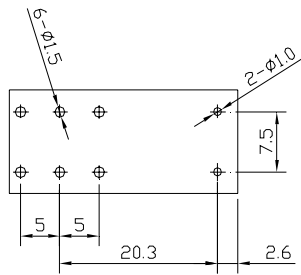
## ■ ENGINEERING DATA 设计参数



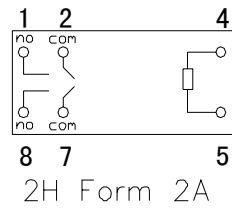
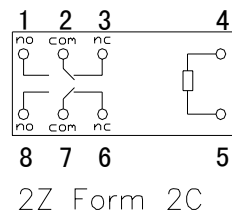
## ■ OVERALL AND MOUNTING DIMENSIONS 安装图



安装图



接线图



### REMARK (备注):

- 1、产品部分外形尺寸中未注尺寸公差：当外形尺寸 $\leq 1\text{mm}$ 时，公差为 $\pm 0.2\text{mm}$ ；当外形尺寸在 $1\sim 5\text{mm}$ 时，公差为 $\pm 0.3\text{mm}$ ；当外形尺寸 $> 5\text{mm}$ 时，公差为 $\pm 0.4\text{mm}$ 。
- 2、安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。

### 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。