



PCB 继电器

TRC1

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



■ ORDERING CODE 订购代码

TRC1	D	—	12VDC	—	S	—	Z	1	xx
1	2	3	4	5	6	7			
1. Relay Model 继电器型号			4. S: Sealed 密封,SH:塑封型			6. 结构形式:			
2. Coil Power 线圈功率			5. 触点转换形式			1: 3.5mm			
D=0.4W			Z: Form C			2: 5.0mm			
3. Coil Nominal Voltage 线圈额定电压			H: Form A			7. 特殊代号			
5,6,9,12,18,24,48,60VDC						Nil: Standard Type标准			
						IT: GWIT灼热丝750℃(at ≤2 s)			

■ 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(Ω ±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)	3.75	4.5	6.75	9	13.5	18	36	45	
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℃时额定电压的130%								

■ CONTACT DATA 触点参数

Contact Form触点形式	H/Z
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS Φ =1)
Contact Ratings触点负载	12A 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	12A
Max Switching Power 最大转换功率	3000VA
Contact Resistance接触电阻	100m Ω 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)

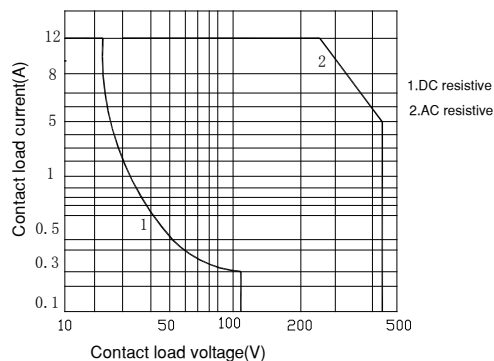
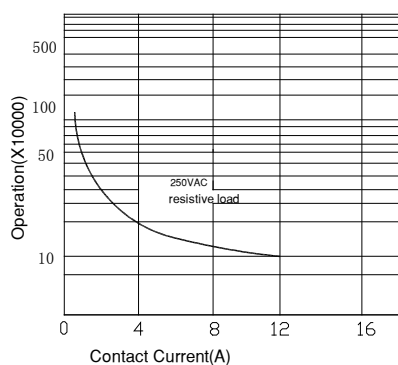
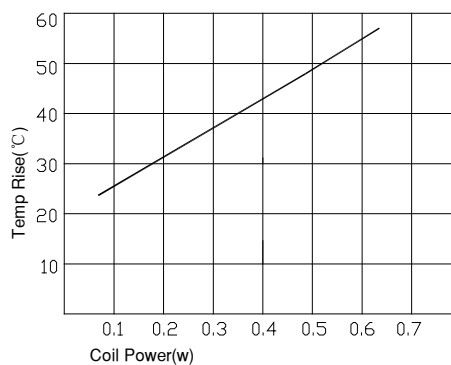
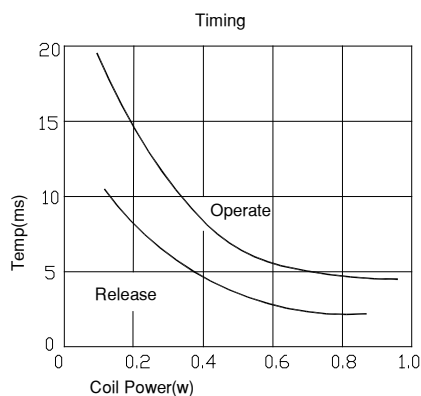
■ CHARACTERISTICS DATA 性能参数

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	15ms
Release Time释放时间	8ms
Temperature Range环境温度	-40℃to+85℃
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 TUV CQC

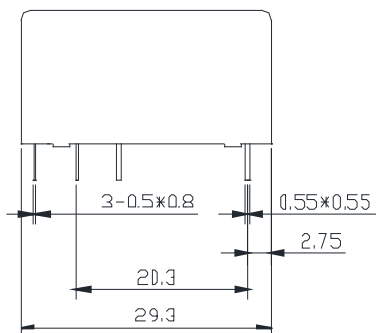
■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
TRC1	5 to 60VDC	UL/cUL	12A 250VAC
		CQC	12A 250VAC
		TUV	12A 250VAC

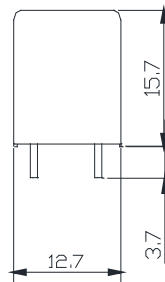
■ ENGINEERING DATA 设计参数



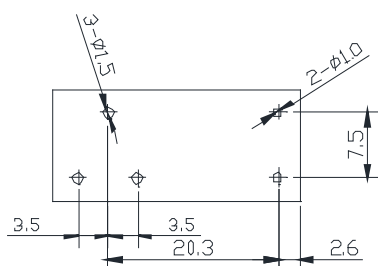
■ OVERALL AND MOUNTING DIMENSIONS 安装图



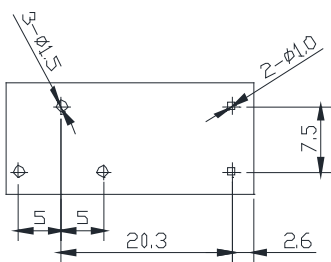
安装图



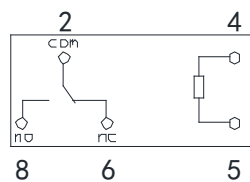
接线图



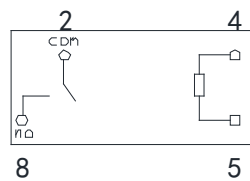
TRC1 D-xxVDC-S-x 1



TRC1 D-xxVDC-S-x 2



Z Form C



H Form A

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 $\pm 0.1\text{mm}$ 。