

通信继电器

TR5V

- Designed for thermostat modem, computer peripherals, video recording and security applications
- Surge Strength 1500V FCC68
- Low coil power requirement for IC compatibility
- Terminals arranged on gird pattern
- Designed for compact, high density mounting
- Conform to RoHS, ELV directive



ORDERING CODE 订购代码

TR5V	D	—	S	—	Z	/ 12VDC
1	2		3		4	5
1. Relay Model 继电器型号					4. 触点转换形式	
2. Coil Power 线圈功率					Z Form C	
					5. Coil Nominal Voltage 线圈额定电压	
3. S: Sealed 密封					3,5,6,9,12,24VDC	

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage 额定电压(VDC)	3	5	6	9	12	24	0.15W
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	60	167	240	540	960	3840	
Rated Current 额定电流(mA)	50	29.9	25	16.7	12.5	6.3	
Max Operate Voltage 最大吸合电压(VDC)	2.4	4	4.8	7.2	9.6	19.2	
Min Release Voltage 最小释放电压(VDC)	0.3	0.5	0.6	0.9	1.2	2.4	
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	45	125	180	405	720	2880	0.2W
Rated Current 额定电流(mA)	66.7	40	33.3	22.2	16.7	8.3	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	
Min Release Voltage 最小释放电压(VDC)	0.3	0.5	0.6	0.9	1.2	2.4	
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	25	70	100	220	400	1600	0.36W
Rated Current 额定电流(mA)	120	72	60	40	30	15	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	
Min Release Voltage 最小释放电压(VDC)	0.3	0.5	0.6	0.9	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	1Z	
Contact Material触点材料	Silver Alloy	
Load负载	Resistive load(COS Φ=1)	
Contact Ratings触点负载	1A 120VAC	2A 120VAC
	1A 24VDC	2A 24VDC
Minimum load 最小负载	1mA 5VDC	
Max Switching Voltage最大转换电压	120VAC/60VDC	
Max Switching Current最大转换电流	1A	2A
Max Switching Power 最大转换功率	120VA/30W	240VA/48W
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)	

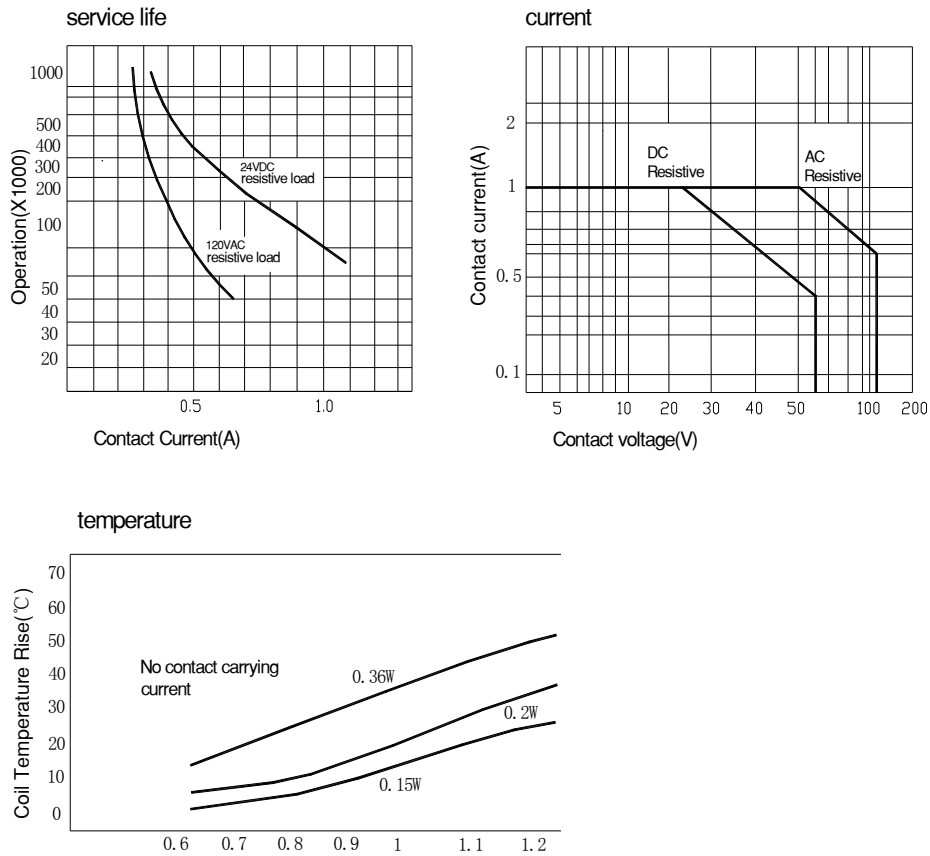
■CHARACTERISTICS DATA 性能参数

Insulation Resistance绝缘阻值	1000M Ω Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	400VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	1000VAC(for one minute)
Operate Time吸合时间	4ms
Release Time释放时间	3ms
Temperature Range环境温度	-30℃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, Double amplitude of 1.5mm
Max. switching frequency最大转换频率	Mechanical:18,000operations/hr
	Electrical:1,800operations/hr
Humidity湿度	35-85%
Weight重量	Approx 2.2g
Safety Standard安全标准	UL cUL

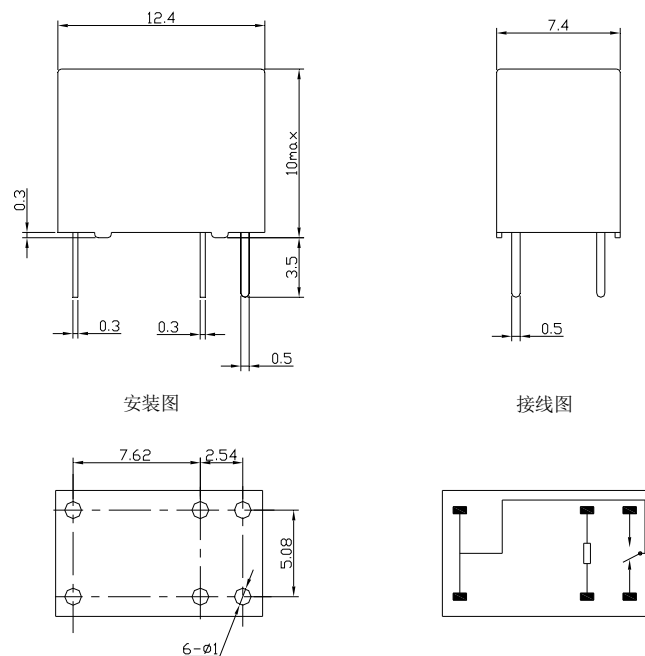
■APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
TR5V	3 to 24VDC	UL/cUL	1A/2A 120VAC 1A/2A 24VDC

■ENGINEERING DATA 设计参数



■OVERALL AND MOUNTING DIMENSIONS 安装图



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。