

<b>PCB 继电器</b>	<b>TRG1H</b>
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- 10A switching capability
- SPST-NO configuration
  
- Standard PC layout
- Sealed type available
- Surge resistance of 5000V
- Conform to RoHS,ELV directive



08002028067

US E173485

R50108695

**ORDERING CODE 订购代码**

<u>TRG1H</u>	<u>D</u>	<u>— 12VDC —</u>	<u>S</u>	<u>— H</u>	<u>IT</u>
1	2	3	4	5	6

1. Relay Model 继电器型号 2. Coil Power 线圈功率 D=0.45W, 3. Coil Nominal Voltage 线圈额定电压 3,5,6,9,12,18,24VDC	4. S: Sealed 密封 5. 触点转换形式 H: Form A 6. IT: 灼热丝GWIT 750°C (2s) Nil: 标准Standard
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**COIL DATA 线圈参数 (at 20°C)**

Nominal Voltage 额定电压(VDC)	3	5	6	9	12	18	24	0.45W
Coil Resistance 线圈阻值( $\Omega \pm 10\%$ )	20	56	80	180	320	720	1280	
Rated Current 额定电流(mA)	150	89.28	75	50	37.5	25	18.75	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	13.5	18	
Min Release Voltage 最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	0.9	1.2	
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
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS $\Phi$ 1)
Contact Ratings 触点负载	10A 250VAC 8A240VAC 10A125/277VAC(UL)
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage 最大转换电压	277VAC/30VDC
Max Switching Current 最大转换电流	10A
Max Switching Power 最大转换功率	2500VA/300W
Contact Resistance 接触电阻	100m $\Omega$ 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**

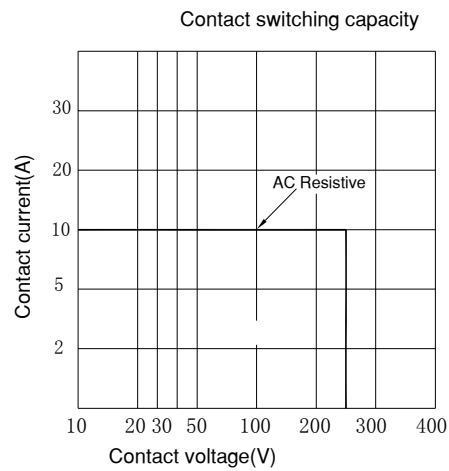
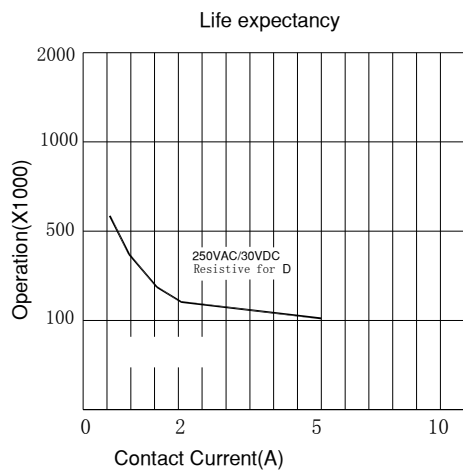
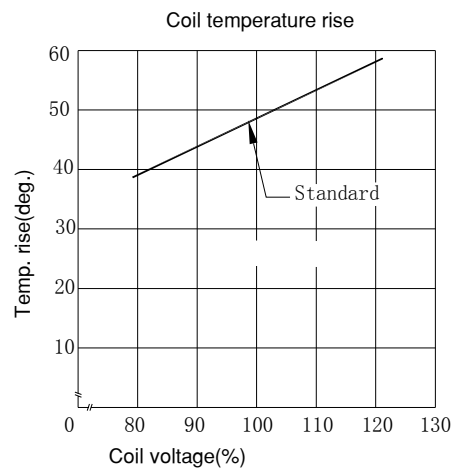
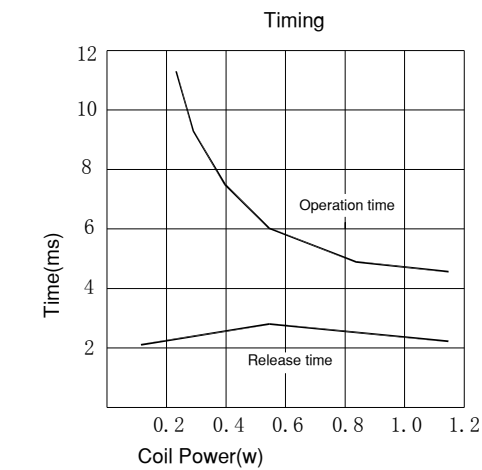
Insulation Resistance 绝缘阻值	100M $\Omega$ Min at 500VDC
Dielectric Strength Between Open Contacts 触点间耐压	1000VAC(for one minute)
Between Contacts and coil 触点与线圈间耐压	4000VAC(for one minute)

Operate Time吸合时间	10ms
Release Time释放时间	4ms
Temperature Range环境温度	-40℃to+85℃ (UL: 105℃)
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双振幅
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 6g
Safety Standard安全标准	UL cUL TÜV CQC

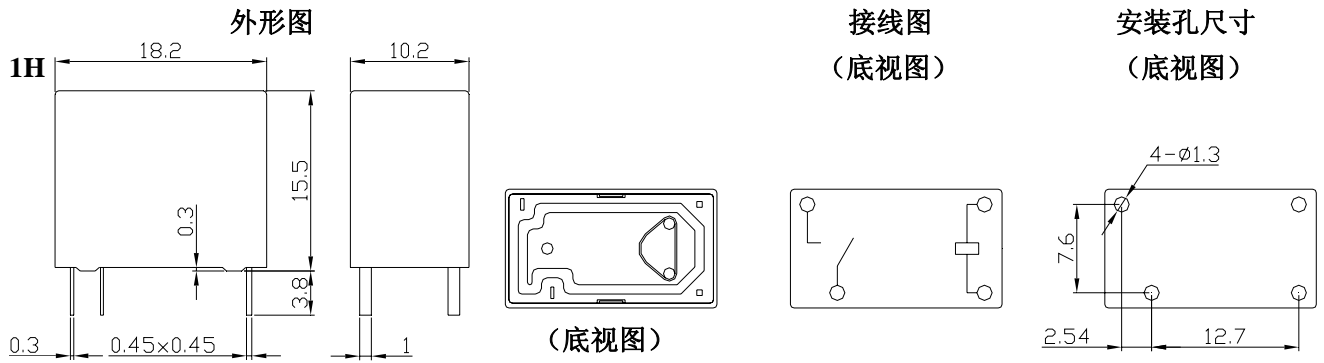
### ■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
TRG1H	3 to 24VDC	UL	8A 240VAC 10A125/277VAC
		CQC	10A 240VAC
		TÜV	10A 250VAC

### ■ 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。