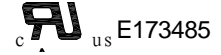


# PCB 继电器

# TRC2

- 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

|   |                              |   |   |                 |                                     |  |  |  |
|---|------------------------------|---|---|-----------------|-------------------------------------|--|--|--|
| TRC2  |                              |   |   |                 | D — 12VDC — S — Z                   |  |  |  |
| 1   | 2                            | 3 | 4 | 5               |                                     |  |  |  |
| 1. Relay Model 继电器型号                                      | 2. Coil Power 线圈功率<br>D=0.4W |   |   | 4. S: Sealed 密封 | 5. 触点转换形式<br>Z: Form C<br>H: Form A |  |  |  |
| 3. Coil Nominal Voltage 线圈额定电压<br>5,6,9,12,18,24,48,60VDC |                              |   |   |                 |                                     |  |  |  |

## ■ 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            | H/Z  |
| Contact Material 触点材料        | Silver Alloy   |
| Load 负载                      | Resistive load(COS $\Phi$ =1)                                  |
| Contact Ratings 触点负载         | 16A 250VAC<br>TV-5A@ 125VAC                                    |
| 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 | 16A  |
| Max Switching Power 最大转换功率   | 4000VA   |
| 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) |

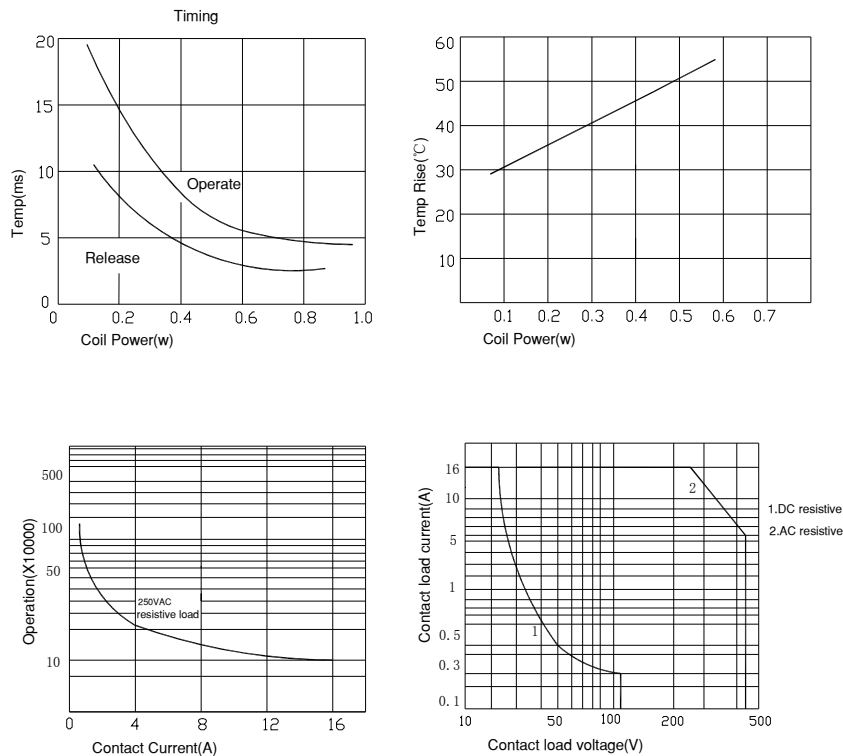
### ■ CHARACTERISTICS DATA 性能参数

|  |                                      |
|--|--------------------------------------|
| 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              | 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                               |

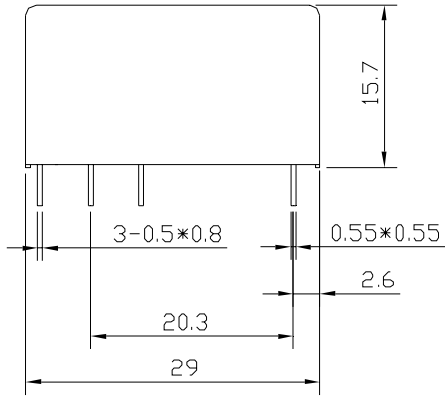
### ■ APPROVED STANDARDS 安全标准

| Model(型号) | Coiling rating (线圈电压) | Safety Standard (安全标准) | Contact rating (触点负载)       |
|-----------|-----------------------|------------------------|-----------------------------|
| TRC2      | 5 to 60VDC            | UL/cUL                 | 16A 250VAC<br>TV-5A@ 120VAC |

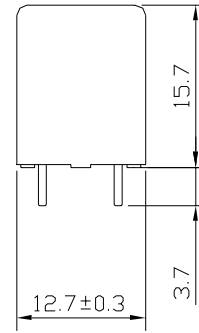
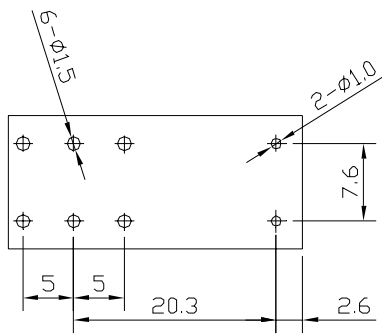
### ■ ENGINEERING DATA 设计参数



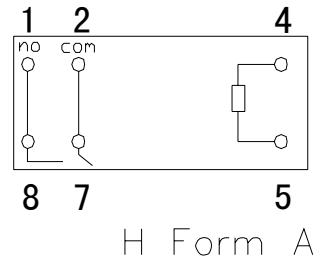
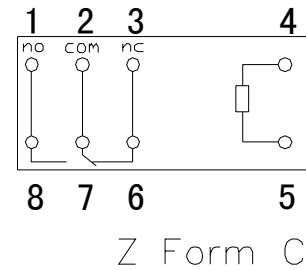
■ OVERALL AND MOUNTING DIMENSIONS 安装图



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。