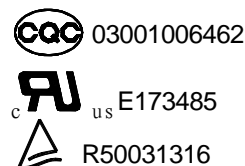


| | |
|----------------|-------------|
| PCB 继电器 | TRA3 |
|----------------|-------------|

- Creepage distance:8.0mm Min
- Au-clad contact available
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive



29.5×13×20.6



■ ORDERING CODE 订购代码

| | | | | | | | | |
|----------------------|---|---|---|---|-----------------|---|-----------|--|
| TRA3 | <u>D</u> | — | <u>12VDC</u> | — | <u>S</u> | — | <u>2Z</u> | (2) |
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| 1. Relay Model 继电器型号 | 2. Coil Power 线圈功率 D=0.72W, L=0.54W, M=0.24W | | 3. Coil Nominal Voltage 线圈额定电压 3,5,6,9,12,24,48VDC | | 4. S: Sealed 密封 | 5. 触点转换形式 2Z: Form 2C 2H: Form 2A | | 6. Nil: Standard Type 标准 2: Transparent Cover |

■ COIL DATA 线圈参数 (at 20°C)

| | | | | | | | | |
|---------------------------------|-------------------------------|------|-----|------|-----|------|------|-------|
| Nominal Voltage 额定电压(VDC) | 3 | 5 | 6 | 9 | 12 | 24 | 48 | 0.24W |
| Coil Resistance 线圈阻值(Ω ±10%) | 38 | 104 | 150 | 338 | 600 | 2400 | 9600 | |
| Rated Current 额定电流(mA) | 80 | 48 | 40 | 26.7 | 20 | 10 | 5 | |
| Max Operate Voltage 最大吸合电压(VDC) | 2.4 | 4 | 4.8 | 7.2 | 9.6 | 19.2 | 38.4 | |
| Min Release Voltage 最小释放电压(VDC) | 0.15 | 0.25 | 0.3 | 0.45 | 0.6 | 1.2 | 2.4 | 0.54W |
| Coil Resistance 线圈阻值(Ω ±10%) | 17 | 46 | 67 | 150 | 270 | 1050 | 4250 | |
| Rated Current 额定电流(mA) | 180 | 108 | 90 | 60 | 45 | 22.5 | 11.3 | |
| Max Operate Voltage 最大吸合电压(VDC) | 2.4 | 4 | 4.8 | 7.2 | 9.6 | 19.2 | 38.4 | |
| Min Release Voltage 最小释放电压(VDC) | 0.15 | 0.25 | 0.3 | 0.45 | 0.6 | 1.2 | 2.4 | 0.72W |
| Coil Resistance 线圈阻值(Ω ±10%) | 13 | 35 | 50 | 110 | 200 | 800 | 3200 | |
| Rated Current 额定电流(mA) | 240 | 144 | 120 | 80 | 60 | 30 | 15 | |
| Max Operate Voltage 最大吸合电压(VDC) | 2.4 | 4 | 4.8 | 7.2 | 9.6 | 19.2 | 38.4 | |
| Min Release Voltage 最小释放电压(VDC) | 0.15 | 0.25 | 0.3 | 0.45 | 0.6 | 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 | 2H/2Z |
| Contact Material 触点材料 | Silver Alloy |
| Load 负载 | Resistive load(COS Φ=1) |
| Contact Ratings 触点负载 | 5A 240VAC 5A 30VDC |
| Minimum load 最小负载 | 100mA 5VDC |
| Max Switching Voltage 最大转换电压 | 250VAC/30VDC |
| Max Switching Current 最大转换电流 | 8A |
| Max Switching Power 最大转换功率 | 1250VA/240W |
| 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) |

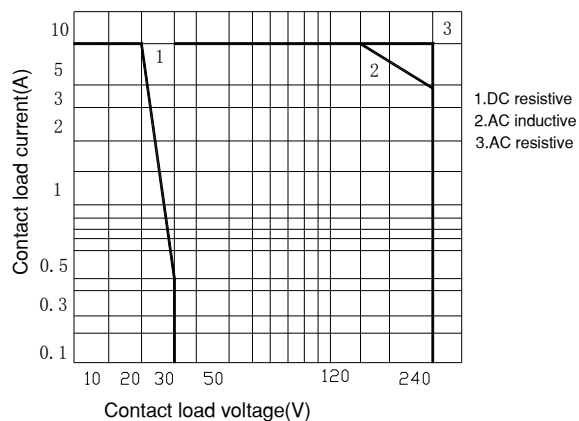
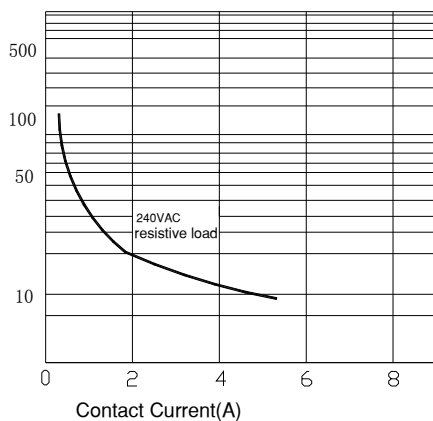
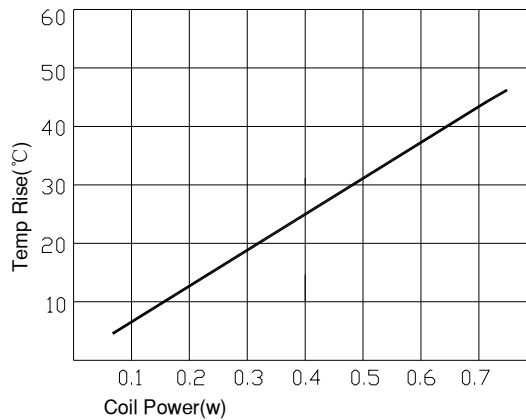
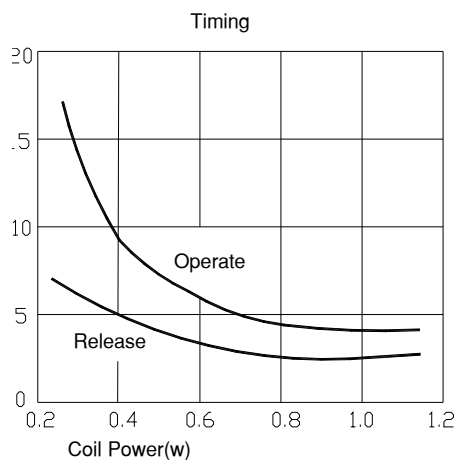
■ CHARACTERISTICS DATA 性能参数

| | |
|--|---------------------------------|
| Insulation Resistance绝缘阻值 | 100MΩ 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 | 20ms |
| Release Time释放时间 | 10ms |
| Temperature Range环境温度 | -40°C to +70°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: 1,800operations/hr |
| Humidity湿度 | 40-85% |
| Weight重量 | Approx 14g |
| Safety Standard安全标准 | UL cUL TÜV CQC |

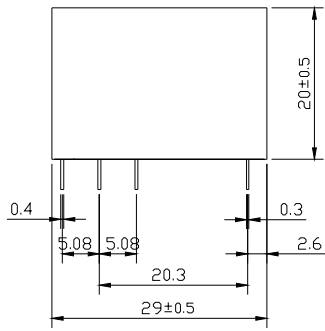
■ APPROVED STANDARDS 安全标准

| Model(型号) | Coiling rating (线圈电压) | Safety Standard (安全标准) | Contact rating (触点负载) |
|-----------|-----------------------|------------------------|-----------------------|
| TRA3 | 3 to 48VDC | TÜV | 5A 240VAC 5A 30VDC |
| | | UL/cUL | 5A 240VAC 5A 30VDC |
| | | CQC | 5A 240VAC |

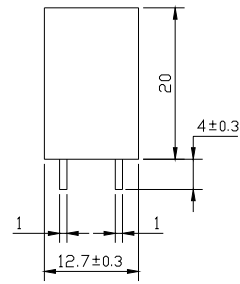
■ ENGINEERING DATA 设计参数



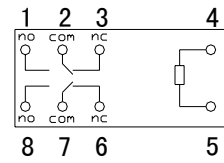
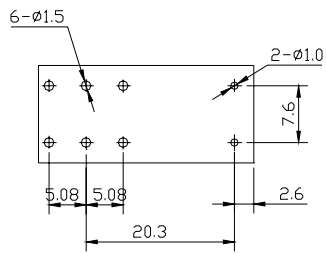
■ OVERALL AND MOUNTING DIMENSIONS 安装图



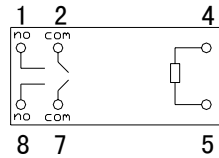
安装图



接线图



Form C



Form A

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。