T810S-A003D

# 汽 车 继 电 器 TRKF

- 15A switching capability
- Small footprint
- Sealed type available
- Conform to RoHS,ELV directive




## ■ORDERING CODE 定购代码

TRKF D — S — Z / 12VDC
1 2 3 4 5

1. Relay Model 继电器型号
2. Coil Power 线圈功率
   D=0.8W, L=0.64W
3. Sealed 密封
4. 触点转换形式
   Z: Form C
   H: Form A
5. Coil Nominal Voltage 线圈额定电压
   6,9,12,24VDC

## ■COIL DATA 线圈参数（at 20℃）

| | | | | | |
|---|---|---|---|---|---|
| Nominal Voltage额定电压(VDC) | 6 | 9 | 12 | 24 | |
| Coil Resistance线圈阻值(Ω±10%) | | 126 | 225 | 900 | |
| Rated Current额定电流(mA) | | 71.4 | 53.3 | 26.7 | 0.64W |
| Max Operate Voltage 最大吸合电压(VDC) | | 5.85 | 7.8 | 15.6 | |
| Min Release Voltage最小释放电压(VDC) | | 0.45 | 0.6 | 1.2 | |
| Coil Resistance线圈阻值(Ω±10%) | 45 | | 180 | 720 | |
| Rated Current额定电流(mA) | 133.3 | | 66.6 | 33.3 | 0.8W |
| Max Operate Voltage 最大吸合电压(VDC) | 3.9 | | 7.8 | 15.6 | |
| Min Release Voltage最小释放电压(VDC) | 0.3 | | 0.6 | 1.2 | |
| Max ApplicableVoltage 最大过载电压 | 70℃时额定电压的130%，23℃时额定电压的170% | | | | |

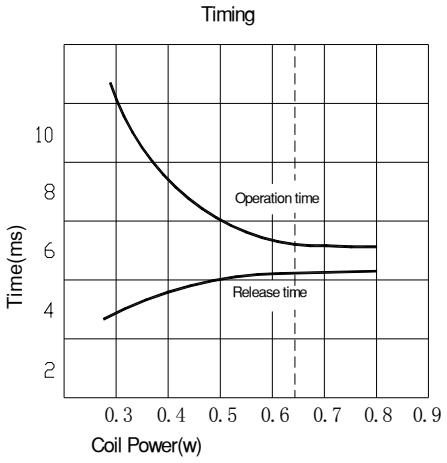
## ■CONTACT DATA 触点参数

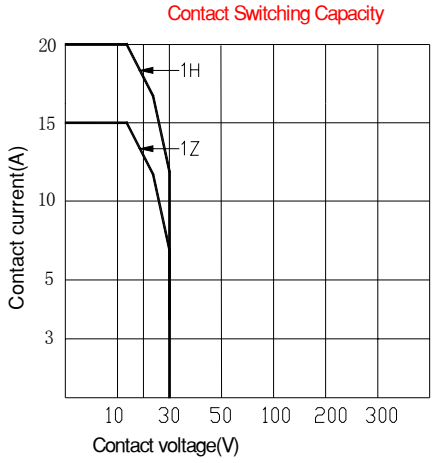
| | |
|---|---|
| Contact Form触点形式 | 1H/1Z |
| Contact Material触点材料 | Silver Alloy |
| Load负载 | Resistive load(COSΦ=1) |
| Contact Ratings触点负载 | 1H: 20A 14VDC<br>1Z: 15A 14VDC |
| Max Switching Voltage最大转换电压 | 16VDC |
| Max Switching Current最大转换电流 | 20A |
| Max Switching Power 最大转换功率 | 280W |
| Contact Resistance接触电阻 | 100mΩMax 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) |

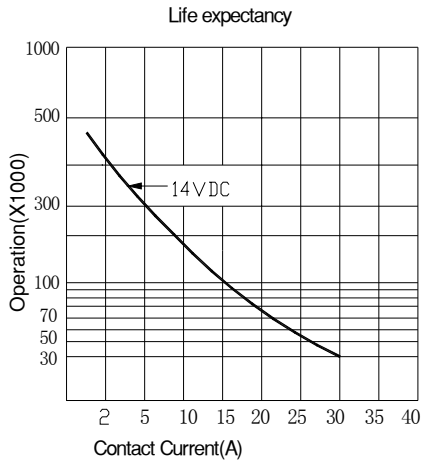
## ■CHARACTERISTICS DATA 性能参数

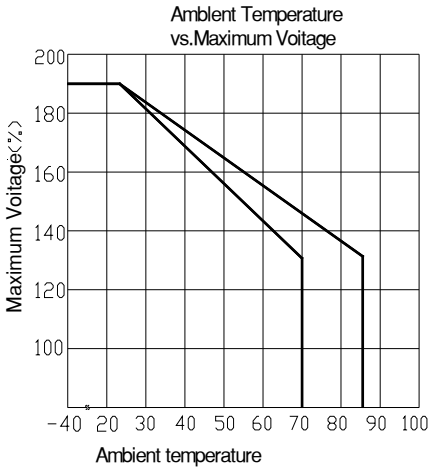
| | |
|---|---|
| Insulation Resistance绝缘阻值 | 100MΩMin at 500VDC |
| Dielectric Strength Between Open Contacts触点间耐压 | 500VAC(for one minute) |
| Between Contacts and coil触点与线圈间耐压 | 1500VAC(for one minute) |
| Operate Time吸合时间 | 15ms |
| Release Time释放时间 | 10ms |
| Temperature Range环境温度 | -40℃to+85℃ |
| 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: 18,000 operations/hr<br>Electrical: 1,800 operations/hr |
| Humidity湿度 | 40-85% |
| Weight重量 | Approx 10g |

## ■ENGINEERING DATA 设计参数

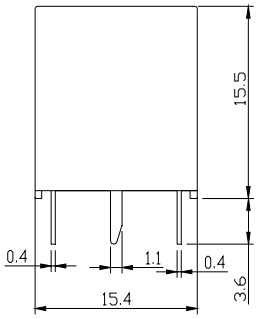


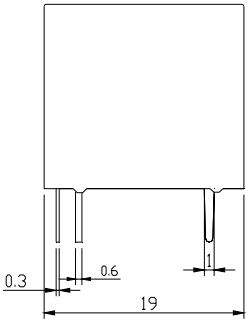



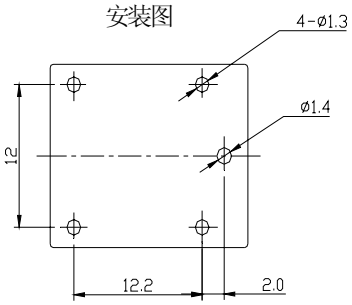



## ■OVERALL AND MOUNTING DIMENSIONS 安装图

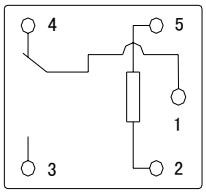


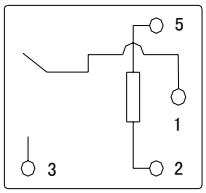

安装图




接线图




Form C




Form A

备注：1）产品部分外形尺寸中未注尺寸公差：当外形尺寸≤1mm 时，公差为±0.2mm；当外形尺寸在 1~5mm 时，公差为±0.3mm；当外形尺寸＞5mm 时，公差为±0.4mm。

2）安装孔尺寸中未注尺寸公差均为±0.1mm。

**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。