T810S-A003D

# TRKF

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

## ■ORDERING CODE

TRKF D — S — Z / 12VDC
1 2 3 4 5

1. Relay Model
2. Coil Power
   D = 0 . 8 W , L = 0 . 6 4 W
3. Sealed
4. Z: Form C
   H: Form A
5. C o i l N o m i n a l V o l t a g e
   6,9,12,24VDC

## ■COIL DATA （at 20℃）

| Nominal Voltage(VDC) | 6 | 9 | 12 | 24 | |
|---|---|---|---|---|---|
| Coil Resistance(Ω ±10%) | | 126 | 225 | 900 | |
| Rated Current(mA) | | 71.4 | 53.3 | 26.7 | 0.64W |
| Max Operate Voltage (VDC) | | 5.85 | 7.8 | 15.6 | |
| Min Release Voltage(VDC) | | 0.45 | 0.6 | 1.2 | |
| Coil Resistance(Ω ±10%) | 45 | | 180 | 720 | |
| Rated Current(mA) | 133.3 | | 66.6 | 33.3 | 0.8W |
| Max Operate Voltage (VDC) | 3.9 | | 7.8 | 15.6 | |
| Min Release Voltage(VDC) | 0.3 | | 0.6 | 1.2 | |
| Max ApplicableVoltage | 70℃ 130%，23℃ 170% | | | | |

## ■CONTACT DATA

| Contact Form | 1H/1Z |
|---|---|
| Contact Material | Silver Alloy |
| Load | Resistive load(COSΦ=1) |
| Contact Ratings | 1H: 20A 14VDC<br>1Z: 15A 14VDC |
| Max Switching Voltage | 16VDC |
| Max Switching Current | 20A |
| Max Switching Power | 280W |
| Contact Resistance | 100mΩMax at 6VDC 1A |
| Life Expectancy | Electrical : 100, 000 Operations(at30Operations/minute) |
| | Mechanical: 10, 000, 000 Operations(at300Operations/minute) |

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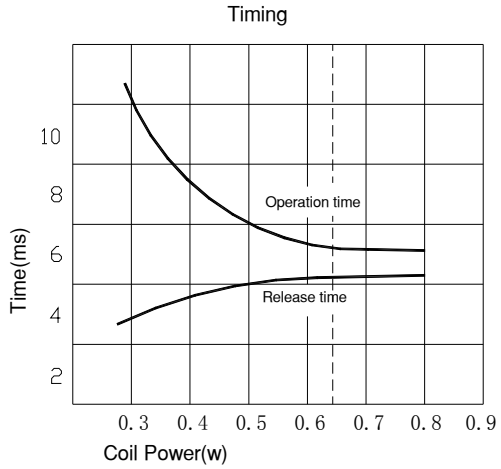
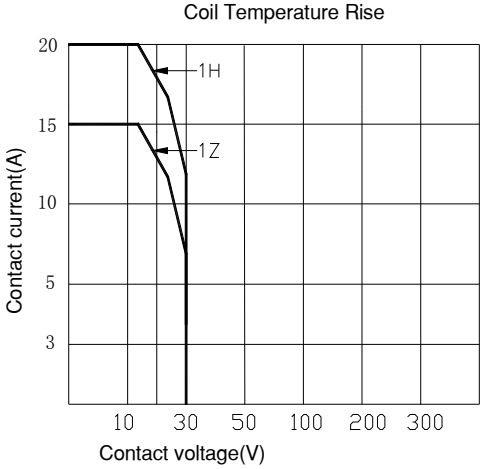
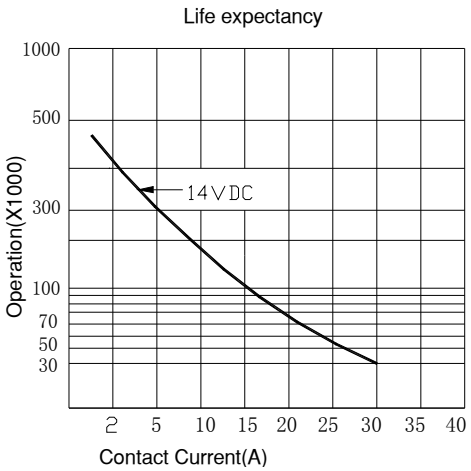
## ■CHARACTERISTICS DATA

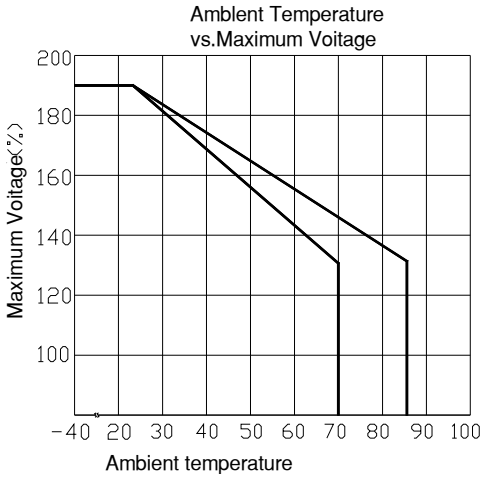
| | |
|---|---|
| Insulation Resistance | 100MΩMin at 500VDC |
| Dielectric Strength Between Open Contacts | 500VAC(for one minute) |
| Between Contacts and coil | 1500VAC(for one minute) |
| Operate Time | 15ms |
| Release Time | 10ms |
| Temperature Range | -40℃to+85℃ |
| Shock Resistance | Operating Extremes: 10G |
| | Damage Limits: 100G |
| Vibration Resistance | 10-55Hz, 1.5mm |
| Max. switching frequency | Mechanical: 18,000 operations/hr<br>Electrical: 1,800 operations/hr |
| Humidity | 40-85% |
| Weight | Approx 10g |

## ■ENGINEERING DATA

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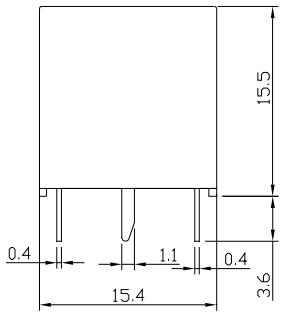
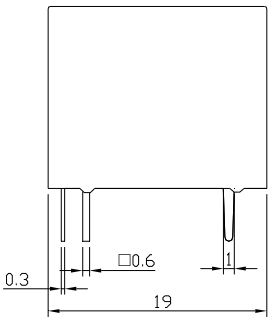
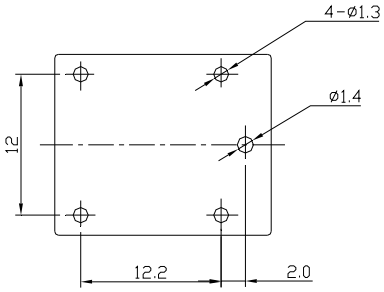
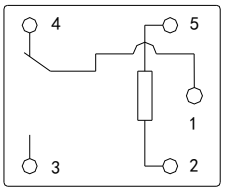
## ■OVERALL AND MOUNTING DIMENSIONS

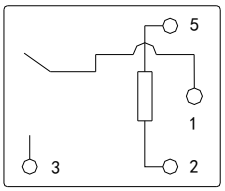



Form C




Form A

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