T810S-P003C

# PCB 继 电 器 HJR-7FF

- Extremely low cost
- SPST-NO&SPDT configurations
- Standard PC layout
- Sealed type available
- Conform to RoHS,ELV directive



21.2×16.0×17.0

c UL us E173485

## ■ORDERING CODE 定购代码

HJR-7FF— S — Z / 12VDC
1 2 3 4

1. Relay Model 继电器型号
2. Sealed 密封
3. 触点转换形式
   H: Form A
   D: Form B
   Z: Form C
4. Coil Nominal Voltage 线圈额定电压
   3,5,6,9,12,24,48VDC

## ■COIL DATA 线圈参数（at 20℃）

| Nominal Voltage额定电压(VDC) | 3 | 5 | 6 | 9 | 12 | 24 | 48 | |
|---|---|---|---|---|---|---|---|---|
| Coil Resistance线圈阻值(Ω±10%) | 25 | 70 | 100 | 225 | 400 | 1600 | 6400 | |
| Rated Current额定电流(mA) | 120 | 72 | 60 | 40 | 30 | 15 | 7.5 | 0.36W |
| Max Operate Voltage 最大吸合电压(VDC) | 2.25 | 3.75 | 4.5 | 6.75 | 9 | 18 | 36 | |
| Min Release Voltage最小释放电压(VDC) | 0.3 | 0.5 | 0.6 | 0.9 | 1.2 | 2.4 | 4.8 | |
| Coil Resistance线圈阻值(Ω±10%) | 20 | 56 | 80 | 180 | 320 | 1280 | 5120 | |
| Rated Current额定电流(mA) | 150 | 90 | 75 | 50 | 37.5 | 18.7 | 9 | 0.45W |
| Max Operate Voltage 最大吸合电压(VDC) | 2.25 | 3.75 | 4.5 | 6.75 | 9 | 18 | 36 | |
| 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 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:10A 240VAC 12A 120VAC<br>1Z:7A 240VAC 10A 120VAC |
| Minimum load 最小负载 | 100mA 5VDC |
| Max Switching Voltage最大转换电压 | 240VAC |
| Max Switching Current最大转换电流 | 12A |
| Max Switching Power 最大转换功率 | 2400VA/240W |
| 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) |

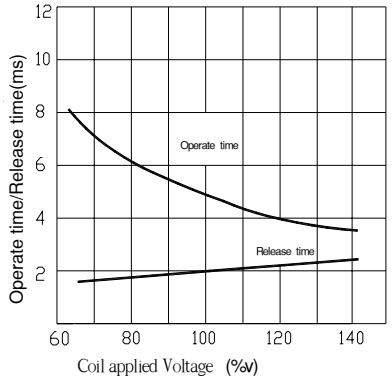
## ■CHARACTERISTICS DATA 性能参数

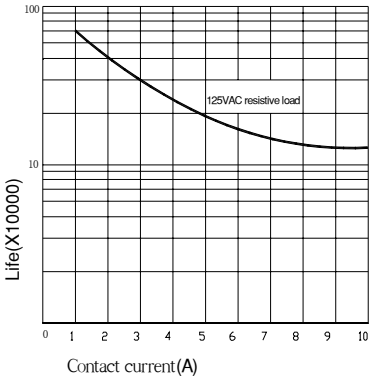
| | |
|---|---|
| Insulation Resistance绝缘阻值 | 100MΩMin at 500VDC |
| Dielectric Strength Between Open Contacts触点间耐压 | 750VAC(for one minute) |
| Between Contacts and coil触点与线圈间耐压 | 1500VAC(for one minute) |
| Operate Time吸合时间 | 10ms |
| Release Time释放时间 | 5ms |
| Temperature Range环境温度 | -40℃to+70℃ |
| 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<br>Electrical:1,800operations/hr |
| Humidity湿度 | 40-85% |
| Weight重量 | Approx 10g |

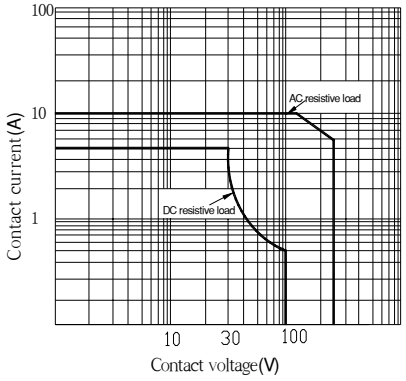
## ■APPROVED STANDARDS 安全标准

| Model(型号) | Coiling rating（线圈电压） | Safety Standard（安全标准） | Contact rating（触点负载） |
|---|---|---|---|
| HJR-7FF | 3 to 24VDC | UL/cUL | H: 10A 240VAC 12A 120VAC<br>Z: 10A 120VAC 7A 240VAC |

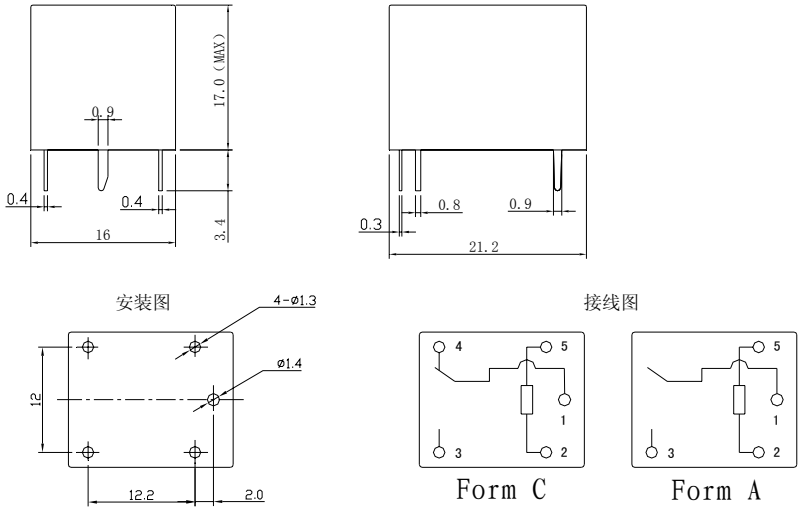
## ■ENGINEERING DATA 设计参数




## ■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≤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。