

PCB功率继电器TF36F系列产品规格书

- 1 form A contact arrangement , Immersion cleanable, sealed version available
- Applications include appliance , HAVC , CTV , Monitor , emergency lighting
- 1 Form A configurayions
- Size : 24.9mm*10mm*24.5mm (长*宽*高)



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。

ORDERING CODE 订购代码

TF36F — 12VDC — HS		
1	2	3 4
1.Relay Model 继电器型号TL36F 2.Coil Nominal Voltage 线圈额定电压5,6,9,12,24VDC		3.触点转换形式 H: Form A 4.S : sealed 密封

COIL RATINGS 线圈参数 (at 20°C)

Nominal Voltage额定电压(VDC)	3	5	6	9	12	24	48	0.25W
Coil Resistance线圈阻值($\Omega \pm 10\%$)	36	100	144	324	576	2304	9216	
Rated Current额定电流(mA)	83	50	42	28	21	10	5	
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	
Nominal Voltage额定电压(VDC)	3	5	6	9	12	24	48	0.54W
Coil Resistance线圈阻值($\Omega \pm 10\%$)	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)	2.25	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 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%							

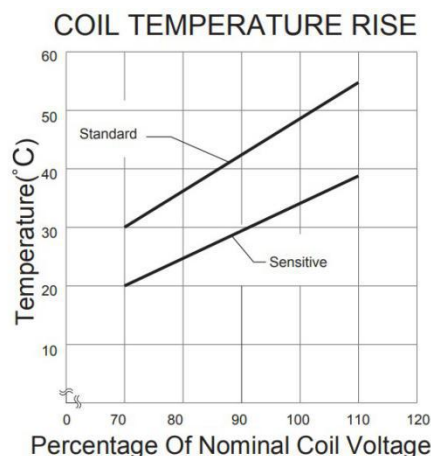
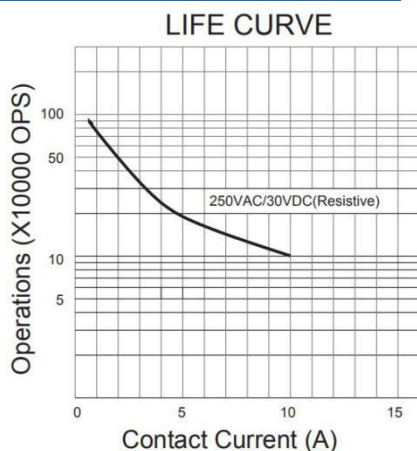
CONTACT DATA 触点参数

Contact Form触点形式	1H
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS Φ 1)
Contact Ratings触点负载	10A 250VAC/30VDC
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage最大转换电压	250VAC/110VDC
Max Switching Current最大转换电流	10A
Max Switching Power 最大转换功率	2500VA/300W
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)

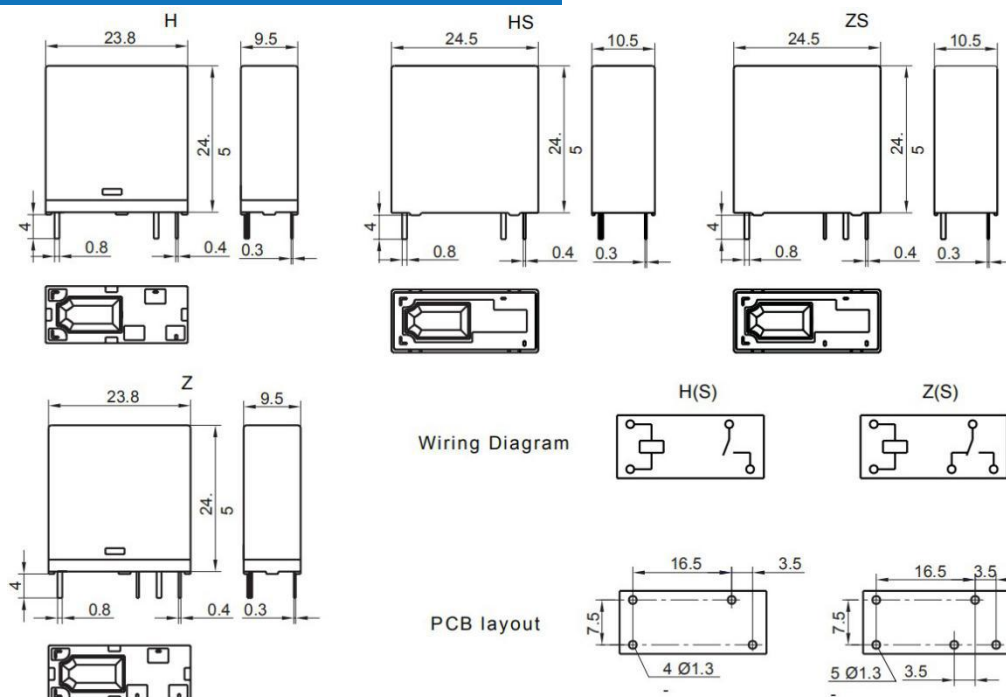
CHARACTERISTICS DATA 性能参数

Insulation Resistance 绝缘阻值	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts 触点间耐压	900VAC(for one minute)
Between Contacts and coil 触点与线圈间耐压	4000VAC(for one minute)
Operate Time 吸合时间	15ms
Release Time 释放时间	8ms
Temperature Range 环境温度	-30°Cto+85°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	20-85%
Weight 重量	Approx 11g

ENGINEERING DATA 设计参数



OVERALL AND MOUNTING DIMENSIONS 安装图



 其他 Others

1、规格书内的各项性能参数是基于标准测试条件下测得的初始值。

All the performance data listed in the datasheet are the initial values tested under standard testing condition.

2、非塑封继电器需要防止助焊剂或污染物进入继电器。

Unsealed relays should be hand soldered to avoid flux contamination of the relay.

3、避免在强磁场条件下使用继电器，外界强磁场会造成继电器动作和释放等参数发生变化。

To avoid using relays under strong magnetic field because it will change the parameters of relay such as pull-in and drop-out voltage.

4、为了保持继电器的性能，请注意不要使继电器掉落或受到强冲击。掉落后的继电器建议不再使用。

To maintain the performances of relays, please do not make the relay drop or be shocked strongly.

Suggest that the relays dropped not be used.