

特性 Features

- RC吸收回路可选 RC Absorption circuit optional
- TRIAC输出 TRIAC output
- 负载电流 load current :2A-3A @ 24-440VAC
- 输入为直流驱动 Input is DC Drive
- 驱动电压 Drive voltage:4-15VDC 或 15-32VDC
- 驱动电流 Drive current:40mA @15VDC/25mA @32VDC
- 介质耐压 Dielectric Strength :4000Vrms
- 电路板安装方式 Circuit board installation method
- 输出有交流过零型和交流随机型两种触发形式 There are two triggering forms for input and output: AC zero crossing type and AC random type



典型应用 Application

- 适用于电磁阀、电机、感性负载及具有高浪涌电流负载的控制 Suitable for control of solenoid valves, motors, inductive loads and loads with high surge current

输入参数 Input Specifications (Ta=25°C)

驱动电压范围 Drive Voltage Range	L	4-15VDC
	H	15-32VDC
确保导通电压/ Must Turn-on Voltage	L	4VDC
	H	15VDC
确保关断电压 Must Turn-off Voltage		1VDC
最大驱动电流 Max. Drive Current	L	40mA @15VDC
	H	25mA @32VDC

其他参数 General Specifications (Ta=25°C)

介质耐压 (输入/输出, 50Hz/60Hz) I/O Dielectric Strength (50Hz/60Hz)	4000Vrms
绝缘电阻 (@500VDC) Min. Insulation Resistance @500VDC	1000MΩ
工作温度范围 Ambient Temperature Range(Operating)	-30°C~+80°C
储存温度范围 Ambient Temperature Range(Storage)	-30°C~+100°C
重量(典型值) Weight (Typical)	15g

输出参数 Output Specifications (Ta=25°C)

负载电压范围 Load Voltage Range	240VAC:24-280VAC/380VAC:24-440VAC
最大瞬态电压 Max. Peak Voltage	240VAC:600Vpk/380VAC:800Vpk
最大断态漏电流(@额定负载电压下) Max. Off-state Leakage Current @ Rated Load Voltage	不带RC产品 No RC Product:0.1mA /带RC产品 RC Product:5mA
最小断态电压指数上升率(dv/dt) Min. Off-State dv/dt @ Max. Rated Voltage	200V/μs
负载电流范围 Load Current Range	2A:0.1-2A/3A:0.1-3A
最大浪涌电流(@10ms) Max. 1 Cycle Surge Current @10ms	2A:35A _{pk} /3A:80A _{pk}
最大I ² t值(@10ms) Max. I ² t for Fusing @10ms	2A :6.1A ² s/3A:32A ² s
最大导通压降(@额定负载电流下) Max. On-state Voltage Drop @ Rated Load Current	1.5Vrms
最大导通时间 Max. Turn-on Time	过零型 Zero-cross: 1/2cycle+1ms, /随机型 Random-on: 1ms
最大关断时间 Max. Turn-off Time	1/2cycle+1ms
使用频率 Operational Frequency Range	47-63Hz
最小功率因数 Min. Power Factor @Max. Load	0.5

■ 型号命名标准 Model Number Legend

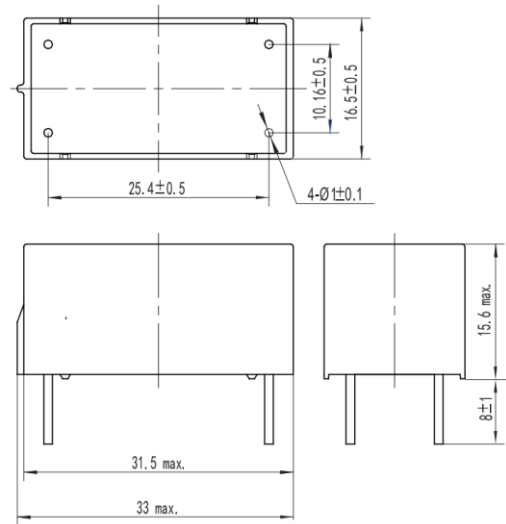
	STSB	240	D	2	R	-L	N	T	,XXX
基本型号 Basic Type:									
STSB									
负载电压 Load Voltage:									
240: 240VAC; 380: 380VAC									
控制方式 Driving Type:									
D: DC Drive									
负载电流 Load Current:									
2: 2A; 3: 3A									
触发形式 Trigger Type:									
无 Blank: 过零导通 Zero-cross; R: 随机导通 Random;									
驱动电压/电流 Drive Voltage/Current:									
L: 4-15VDC输入4-15VDC input; H: 15-32VDC输入15-32VDC input									
Rc电路 Rc Circuit:									
无 Blank: 带Rc电路 Rc circuit; N: 无Rc电路 Rc-free circuit									
引出端子类型 Pin Layout Type:									
无 Blank: 常规脚位 Standard; T: T型脚位 T Type Footprint									
特殊特性 Special Characteristic:									
Blank: 标准型 Standard; XXX: 客户特殊特性号 Customer Special Feature Number									

■ 具体型号列表 List of Models

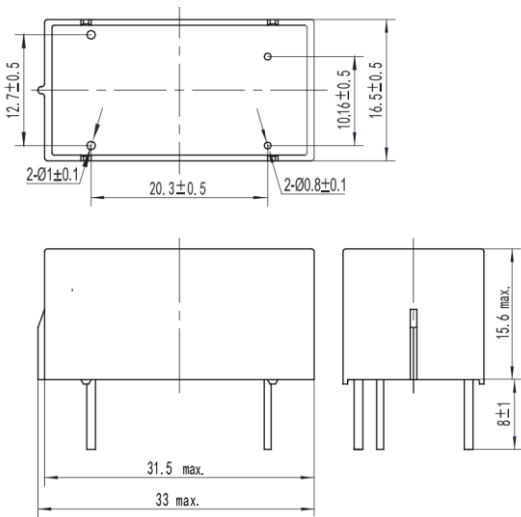
驱动电压/ Drive Voltage	2A		3A	
-L	STSB240D2-L(N)	STSB240D2R-L(N)	STSB240D3-L(N)	STSB240D3R-L(N)
	STSB240D2-L(N)T	STSB240D2R-L(N)T	STSB240D3-L(N)T	STSB240D3R-L(N)T
	STSB380D2-L(N)	STSB380D2R-L(N)	STSB380D3-L(N)	STSB380D3R-L(N)
	STSB380D2-L(N)T	STSB380D2R-L(N)T	STSB380D3-L(N)T	STSB380D3R-L(N)T
-H	STSB240D2-H(N)	STSB240D2R-H(N)	STSB240D3-H(N)	STSB240D3R-H(N)
	STSB240D2-H(N)T	STSB240D2R-H(N)T	STSB240D3-H(N)T	STSB240D3R-H(N)T
	STSB380D2-H(N)	STSB380D2R-H(N)	STSB380D3-H(N)	STSB380D3R-H(N)
	STSB380D2-H(N)T	STSB380D2R-H(N)T	STSB380D3-H(N)T	STSB380D3R-H(N)T

■ 外形尺寸 Outline Dimensions

◆ 普通脚位 Standard Footprint

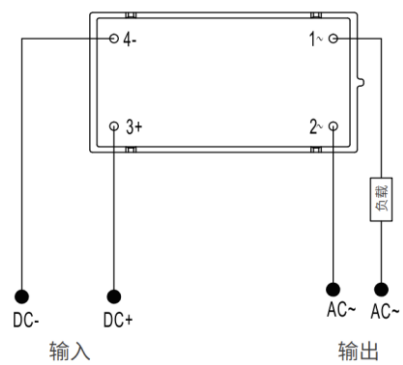


◆ T型脚位 T Type Footprint

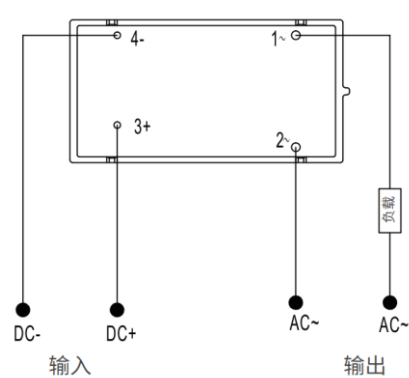


■ 接线图 Wiring Diagram

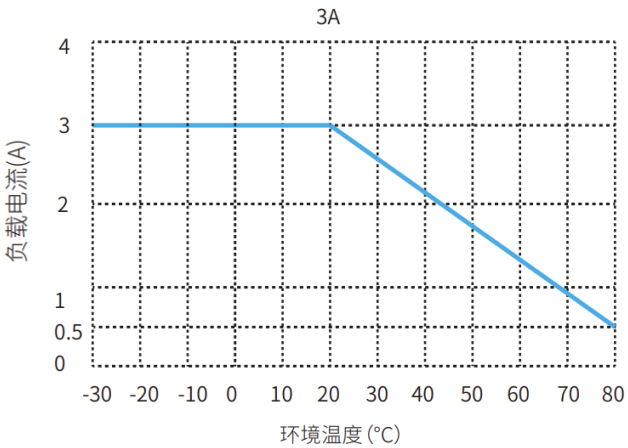
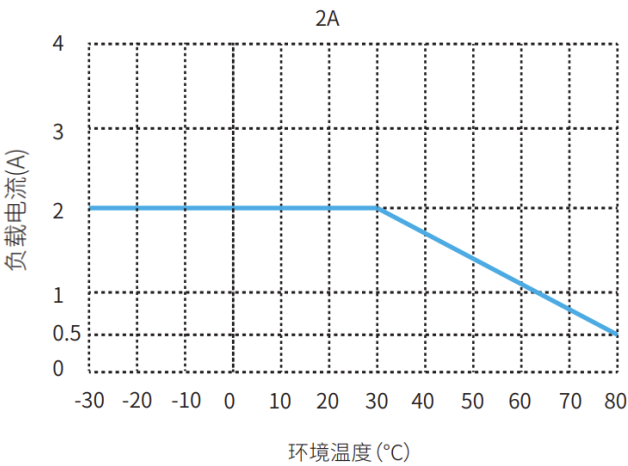
◆ 普通脚位 Standard Footprint



◆ T型脚位 T Type Footprint



■ 温度曲线 Thermal Derating Curve



■ 使用注意事项 Precautions for Use

1. 260℃气焊接温度下，整个过程不能超过10秒，350℃时，焊接过程不能超过5秒，否则可能导致产品损坏。Soldering must be finished within 10 seconds at 260℃,or finished within 5 seconds at 350℃. Otherwise it may cause damage to the relay.
2. 控制端极性要保证正确，否则会损坏产品。The polarity of control terminal must be observed. Otherwise it may cause damage to the relay.
3. 产品工作的环境温度较高时，请参照温度曲线降额使用。When ambient temperature is above 25℃, the maximum load current decreases. See thermal derating curve.

■ 安全警告 Safety warning

1. 使用过程中产品的侧面及底板会发热，请在冷却后再触摸。The side and bottom plate of the product will heat up during use, please touch it after cooling.
2. 安装或使用本产品前，请确保断开所有电源。Before installing or using this product, ensure that all power supplies are disconnected.
3. 请检查所有连接是否妥当后再打开电源。Please check that all connections are correct before turning on the power.

■ 认证标准 Approval standards

认证类型/certification type	测试标准/Test criteria
UL	UL508