

- 20A switching capability 20A 触点切换能力
- 10A continuous rating at 85°C 85°C 摄氏度下 10A 持续载流能力
- Different contact arrangement available 多种触点形式
- Open type and plastic sealed type available 敞开型与塑封型可供选择
- RoHS Compliant 符合 RoHS 标准



CONTACT DATA 触点参数

Contact Arrangement 触点形式	1H/1Z/SH/SZ
Contact Material 触点材料	Silver Alloy 银合金
Load 负载	Resistive load 阻性负载 (cosΦ=1)
Contact Ratings 触点负载	1H, 1Z: 10A 14VDC SH, SZ: 15A 14VDC
Max. Switching Voltage 最大切换电压	75VDC
Max. Switching Current 最大切换电流	20A
Max. Switching Power 最大切换功率	280W
Contact Resistance 接触电阻	≤100mΩ (6VDC 1A)
Electrical Endurance 电耐久性	1×10 ⁵ OPS(at 6 OPS/min) 1×10 ⁵ 次(6次/分钟)
Mechanical Endurance 机械耐久性	1×10 ⁷ OPS(at 300 OPS/min) 1×10 ⁷ 次(300次/分钟)

CHARACTERISTICS 性能参数

Insulation Resistance 绝缘电阻	100MΩ Min. at 500VDC	
Dielectric Strength 介质耐压	Between Open Contacts 触点间	1000VAC (50/60Hz 1 min)
	Between Contacts and Coil 触点与线圈间	500VAC (50/60Hz 1 min)
Operate Time 动作时间	≤5ms	
Release Time 释放时间	≤3ms	
Ambient Temperature 环境温度	-40°C to +85°C	
Shock Resistance 冲击	Functional 稳定性: 10G	
	Destructive 强度: 100G	
Vibration Resistance 振动	10-55Hz, 1.5mm	
Humidity 湿度	20~85%	
Unit Weight 重量	Approx. 9.5g 约9.5克	

COIL DATA 线圈参数 (at 23°C)

Rated Voltage 额定电压 (VDC)	6	9	12	18	24	1.1W
Coil Resistance 线圈电阻 (Ω±10%)	28	70	130	290	520	
Rated Current 额定电流 (mA)	183.3	122.2	91.7	61.1	45.8	
Max. Operate Voltage 最大动作电压 (VDC)	3.9	5.9	7.8	11.8	15.6	
Min. Release Voltage 最小释放电压 (VDC)	0.3	0.45	0.6	0.9	1.2	
Max. Voltage 最大电压	7.8	11.7	15.6	23.4	31.2	

Remark: Max. Voltage refers to the maximum voltage which relay coil could endure in a period of time.

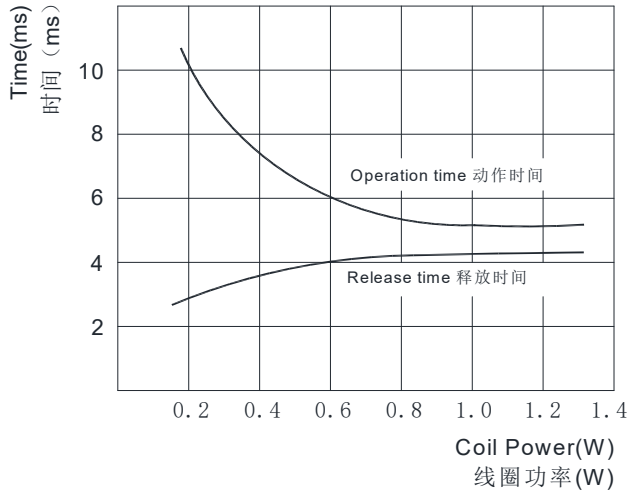
备注：最大电压是指继电器线圈在短时间内能够承受的最大电压值。

ORDERING INFORMATION 订货标记示例

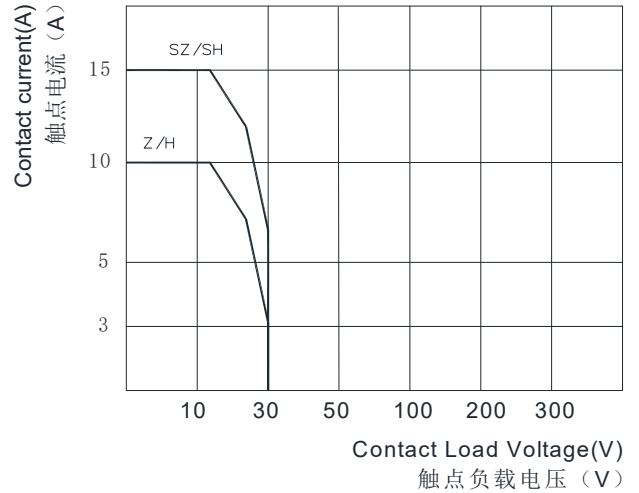
		TRAW		-S	-Z	/12VDC	/XX
Type 型号							
Construction 封装方式	S: Plastic Sealed S: 塑封型	K: Open Type K: 敞开型					
Contact Arrangement 触点形式	H: 1 Form A H: 一组常开	Z: 1 Form C Z: 一组转换	SH: 1 Form U SH: 双常开	SZ: 1 Form W SZ: 双转换			
Coil Voltage 线圈电压	06, 09, 12, 18, 24VDC						
Contact Code 触点代号	XX: Customer Special Requirement XX: 客户特殊要求			Nil: Standard Type 无: 标准型			

CHARACTERISTIC CURVES 性能曲线图

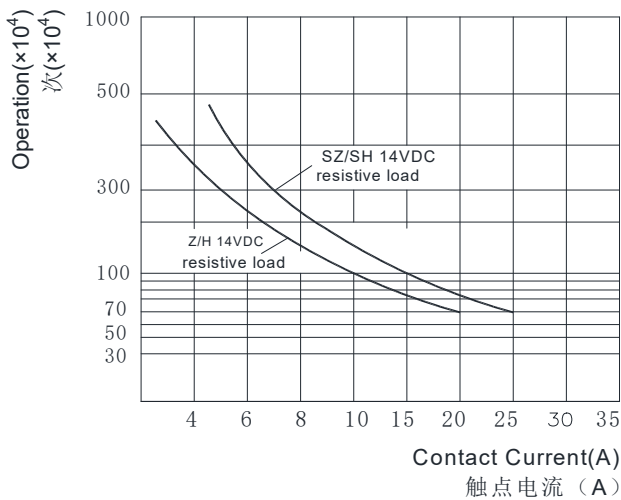
Timing
时间参数



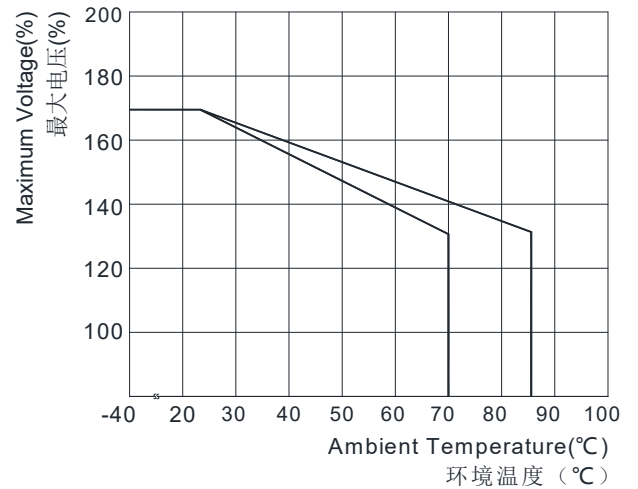
Contact Switching Capacity
触点切换能力



Endurance Curve
电耐久性曲线



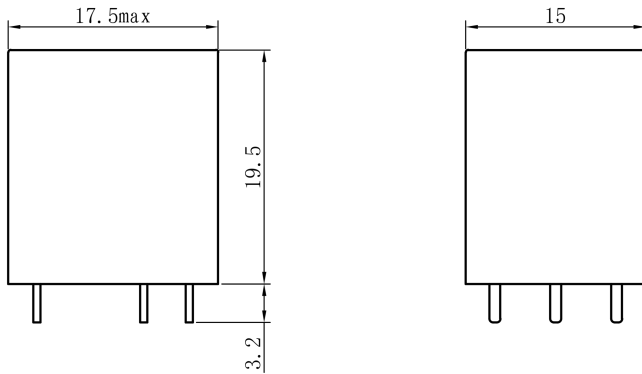
Ambient Temperature vs. Maximum Voltage
环境温度 vs 最大电压



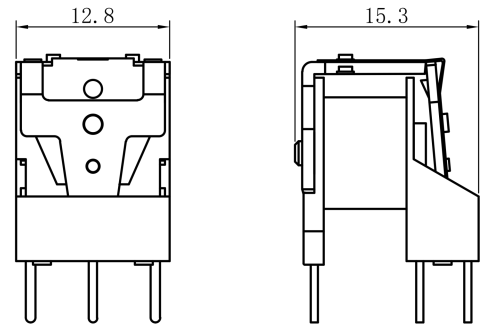
■ OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT 外形图、接线图、安装孔尺寸

Outline Deminsions 外形图

Plastic Sealed Type
塑封型



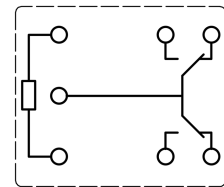
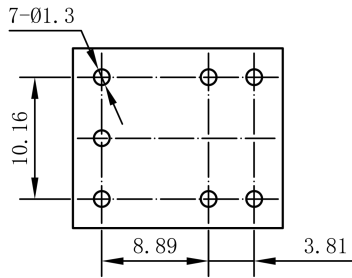
Open Type
敞开型



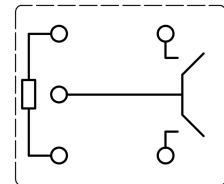
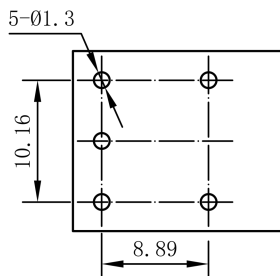
Wiring Diagram 接线图
(Bottom View 底部视图)

PCB Layout 安装孔尺寸
(Bottom View 底部视图)

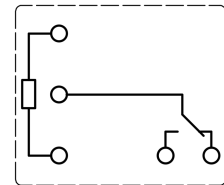
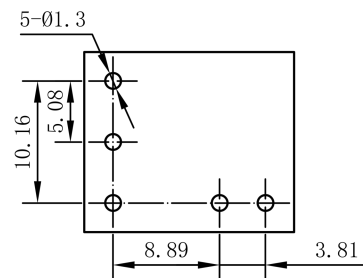
1 Form W
双转换



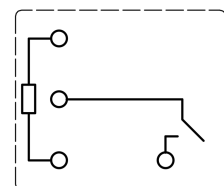
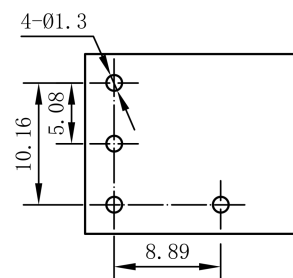
1 Form U
双常开



1 Form C
一组转换



1 Form A
一组常开



备注:

- 1) 产品外形图的标注尺寸为沾锡前尺寸（沾锡后会变大），安装孔尺寸为推荐的 PCB 板孔的设计尺寸，具体 PCB 板孔设计尺寸可根据产品实物进行测绘、调整；
- 2) 产品部分外形尺寸中未注尺寸公差：当外形尺寸 $\leq 1\text{mm}$ 时，公差为 $\pm 0.2\text{mm}$ ；当外形尺寸在 $1\sim 5\text{mm}$ 时，公差为 $\pm 0.3\text{mm}$ ；当外形尺寸 $> 5\text{mm}$ 时，公差为 $\pm 0.4\text{mm}$ 。
- 3) 安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。

Remark:

- 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
- 2) The additional tin top is max. 1mm.
- 3) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

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。

Disclaimer:

The specification is for reference only. Specification subject to change without notice.
