

- 40A continuous rating 85°C
85°C时 40A 持续负载
- PC board terminals
PCB 引脚
- Inrush current 100A
浪涌电流 100A
- Open & sealed version available
可提供敞开型和密封型
- Conform to ROHS,ELV directive
符合 ROHS,ELV 指令



■ CONTACT DATA 触点参数

Contact Arrangement 触点形式	1H/1Z
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS Φ=1)
Contact Ratings 触点负载	NO: 40A 14VDC NC: 30A 14VDC
Max. Switching Voltage 最大切换电压	60VDC
Max. Switching Current 最大切换电流	40A
Max. Switching Power 最大切换功率	560W
Contact Resistance 接触电阻	100m Ω Max at 6VDC 1A
Electrical Endurance 电耐久性	1 × 10 ⁵ OPS(at 30 OPS/min)
Mechanical Endurance 机械耐久性	1 × 10 ⁷ OPS(at 300 OPS/min)

■ CHARACTERISTICS 性能参数

Insulation Resistance 绝缘电阻	100M Ω Min. at 500VDC	
Dielectric Strength 介质耐压	Between Open Contacts 触点间	500VAC(for 1 minute)
	Between Contacts and Coil 触点与线圈间	500VAC(for 1 minute)
Operate Time 动作时间	6ms Max.	
Release Time 释放时间	4ms Max.	
Ambient Temperature 环境温度	-40°C ~ +105°C	
Shock Resistance 冲击	Functional 稳定性: 20G	
	Destructive 强度: 100G	
Vibration Resistance 振动	10~55Hz, 1.5mm DA 双振幅	
Max. Switching Frequency 最大切换频率	Mechanical: 18,000 OPS/h	
	Electrical: 1,800 OPS/h	
Humidity 湿度	20~85%	
Unit Weight 重量	Approx. 21g 约21克	

■ **COIL DATA 线圈参数** (at 20°C)

Rated Voltage 额定电压 (VDC)	3	5	6	9	12	24	1.6W
Coil Resistance 线圈电阻 ($\Omega \pm 10\%$)	6	16	23	50	90	360	
Rated Current 额定电流 (mA)	533	320	267	178	133	67	
Max. Operate Voltage 最大动作电压 (VDC)	1.95	3.25	3.9	5.85	7.8	15.6	
Min. Release Voltage 最小释放电压 (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	
Max. Voltage 最大电压	3.9	6.5	7.8	11.7	15.6	31.2	
Coil Resistance 线圈电阻 ($\Omega \pm 10\%$)	5	13	19	43	76	300	1.9W
Rated Current 额定电流 (mA)	633	380	317	211	158	79	
Max. Operate Voltage 最大动作电压 (VDC)	1.95	3.25	3.9	5.85	7.8	15.6	
Min. Release Voltage 最小释放电压 (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	
Max. Voltage 最大电压	3.9	6.5	7.8	11.7	15.6	31.2	

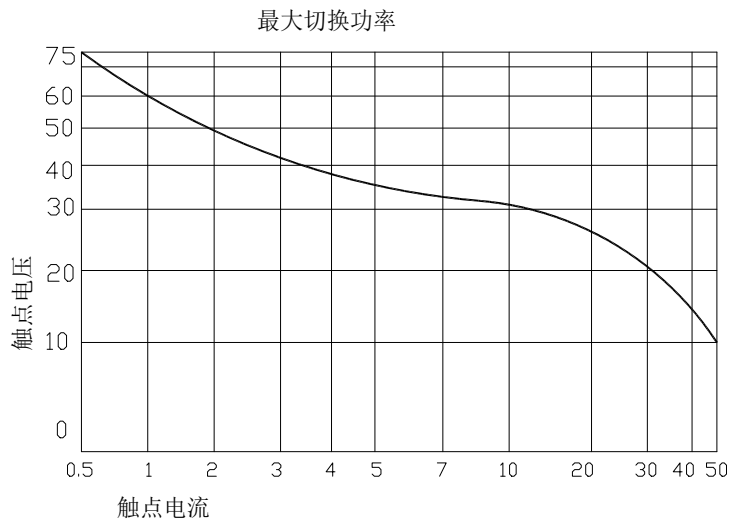
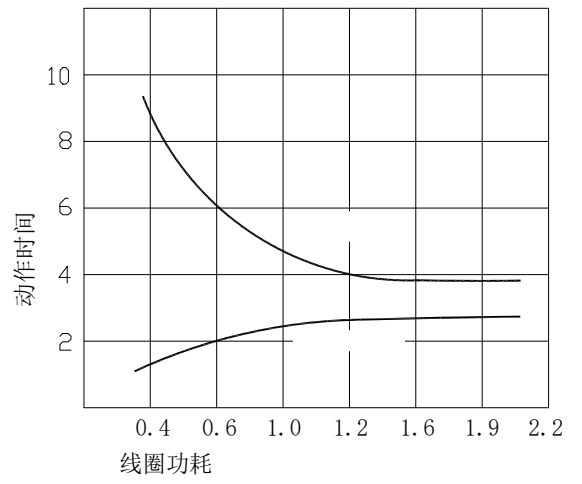
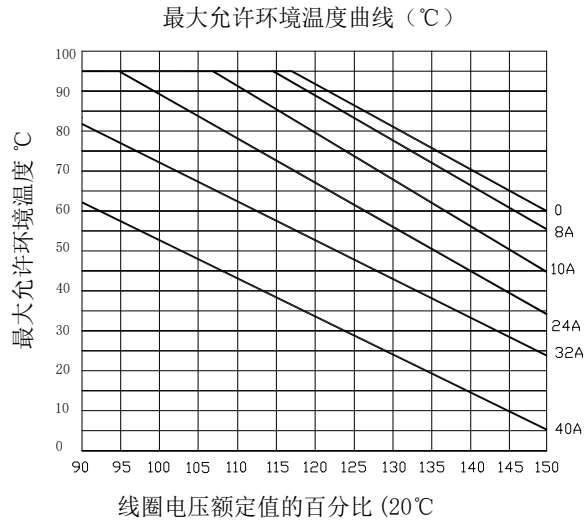
Remark: Max. Voltage refers to the maximum voltage which relay coil could endure in a period of time.

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**

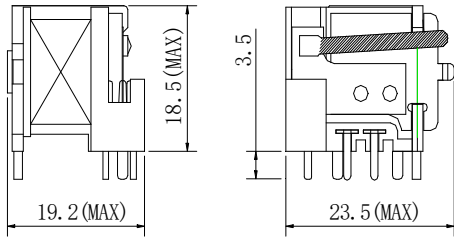
	TRKP	L	-S	-Z	1	/12VDC
Type 型号 TRKP: 继电器型号						
Power 线圈功耗	D=1.9W, L=1.6W					
Construction 封装方式	S: Plastic sealed Nil: open type S: 塑封型 Nil: 敞开型					
Contact Arrangement 触点形式	H: USA type Z: 1 From Z H: 一组常开 Z: 一组转换					
Structure Type 结构类型	1: USA type 2: EUROPE type 1: 美规 2: 欧规					
Coil Voltage 线圈电压	03,05,06,09,12,24VDC					

■ CHARACTERISTIC CURVES 性能曲线图

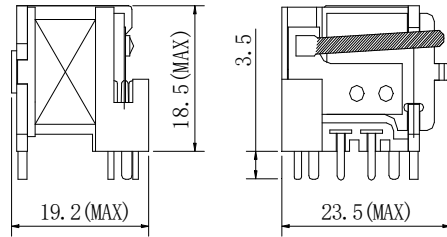


■ OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT外形图、接线图、安装孔尺寸

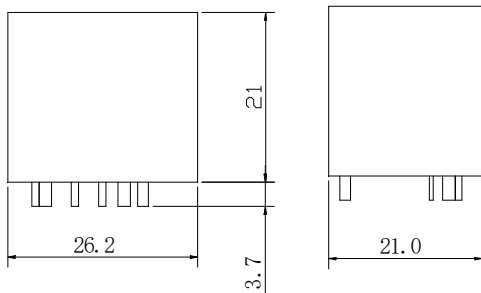
U. S. A open type



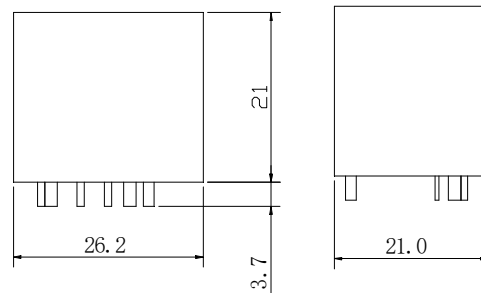
EUROPE open type



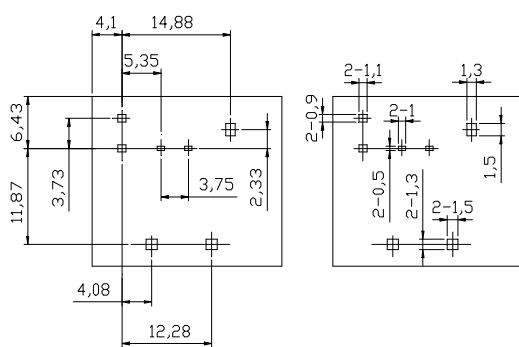
U. S. A Plastic sealed type



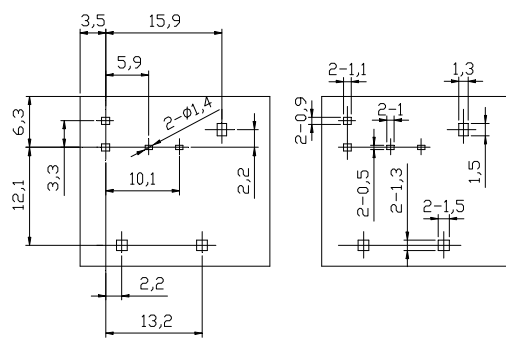
EUROPE Plastic sealed type



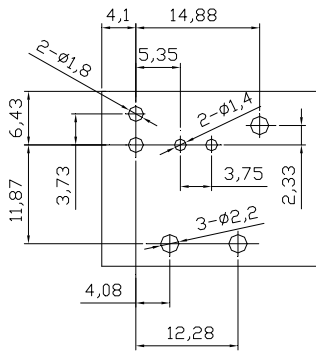
U. S. A



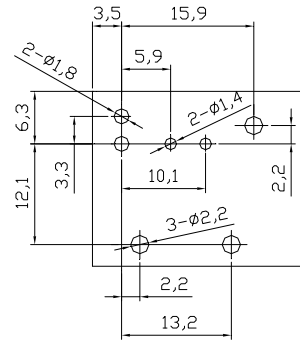
EUROPE



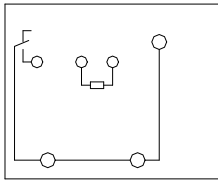
U. S. A (PCB layout)



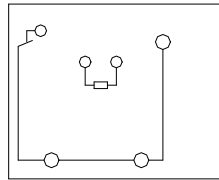
EUROPE (PCB layout)



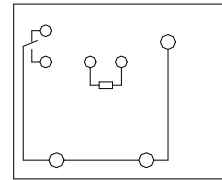
U. S. A And EUROPE



Form A



Form B



Form C

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.