

通用继电器

T91

- High power&low cost
- 30A/40A switching capability
- Open sealed type available
- Class B/F available
- Size: 27.4*32*28.1mm



■ ORDERING CODE 订购代码

<u>T91</u>	<u>—12VDC</u>	<u>— TL</u>	<u>— C</u>
1	2	3	4
1. Relay Model 继电器型号 T91	2. Coil Nominal Voltage 线圈额定电压 5, 6, 9, 12, 18, 24		
3. 品牌: TL/通灵	4. 触点转换形式 H: Form A Z: Form C D: Form B		

■ COIL DATA 线圈参数 (at 20℃)

Nominal Voltage 额定电压(VDC)	5	6	9	12	24	48	0.93W
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	27	39	87	155	620	2480	
Rated Current 额定电流(mA)	186	155	103	77.5	39	19	
Max Operate Voltage 最大吸合电压(VDC)	3.75	4.5	6.75	9	18	36	
Min Release Voltage 最小释放电压(VDC)	0.5	0.6	0.9	1.2	2.4	4.8	
Max Applicable Voltage 最大过载电压	70℃时额定电压的 130%，23℃时额定电压的 170%						

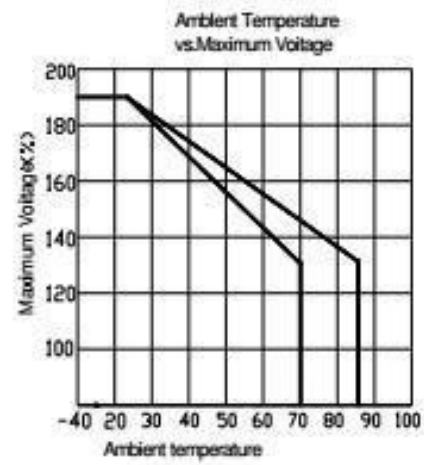
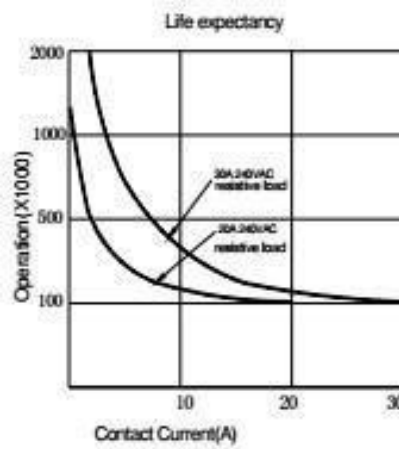
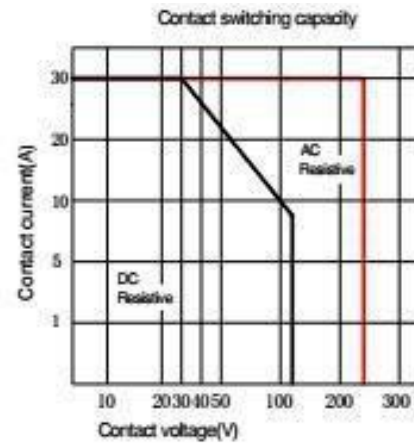
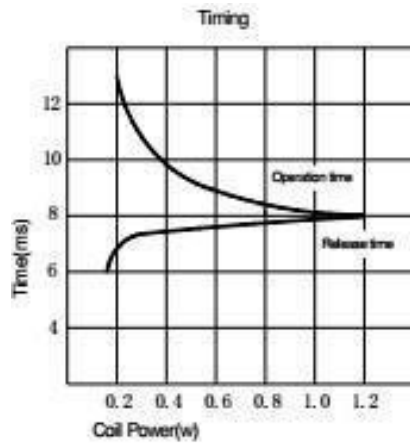
■ CONTACT DATA 触点参数

Contact Form 触点形式	1H/1D/1Z
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS Φ=1)
Contact Ratings 触点负载	30A 250VAC 30A 30VDC
Minimum load 最小负载	500mA 5VDC
Max Switching Voltage 最大转换电压	250VAC/30VDC
Max Switching Current 最大转换电流	30A
Max Switching Power 最大转换功率	7500VA/900W
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)

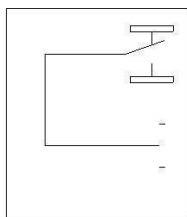
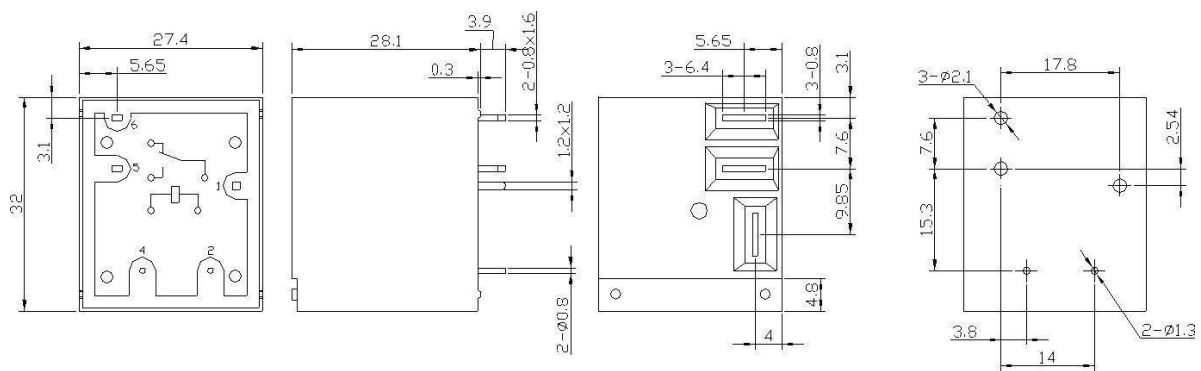
■ CHARACTERISTICS DATA 性能参数

Insulation Resistance 绝缘阻值	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts 触点间耐压	1500VAC(for one minute)
Between Contacts and coil 触点与线圈间耐压	1500VAC/2500VAC(for one minute)
Operate Time 吸合时间	15ms
Release Time 释放时间	10ms
Temperature Range 环境温度	-40℃to+70℃ (Class F:85℃)
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	40-85%
Weight 重量	Approx 36g

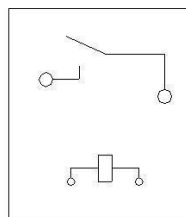
■ ENGINEERING DATA 设计参数



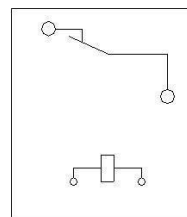
■ OVERALL AND MOUNTING DIMENSIONS 安装图



1A



1B



1C

备注：1) 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 $\pm 0.4\text{mm}$ 。

2) 安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。