

汽车继电器

TRV3

- 40A continuous rating 85°C
- Plug-in or PC board terminals
- Optional mounting bracket
- Conform to ROHS,ELV directive



■ ORDERING CODE 订购代码

TRV3 L — Z — F / 12VDC				
1	2	3	4	5
1. Relay Model 继电器型号				
2. Coil Power 线圈功率				
	L=1.6W;	D=1.9W		
3. 触点转换形式				
	Z: Form C			
	H: Form A			
	D: Form B			
	U : Form U			
			4. F: WITH BRACKET(有背: 塑料安装背)	
			F1: WITH BRACKET(有背: 金属安装背)	
			None: WITHOUT BRACKET(无背)	
			5. Coil Nominal Voltage 线圈额定电压	
			6, 12, 24VDC	

■ COIL DATA 线圈参数

Nominal Voltage额定电压(VDC)	6	12	24	1.6W
Coil Resistance线圈阻值(Ω ±10%) at 20℃	23	90	360	
Rated Current额定电流(mA)	267	133	67	
Max Operate Voltage 最大吸合电压(VDC)	3.9	7.8	15.6	
Min Release Voltage最小释放电压(VDC)	0.6	1.2	2.4	
Coil Resistance线圈阻值(Ω ±10%) at 20℃	19	76	300	1.9W
Rated Current额定电流(mA)	317	158	79	
Max Operate Voltage 最大吸合电压(VDC)	3.9	7.8	15.6	
Min Release Voltage最小释放电压(VDC)	0.6	1.2	2.4	
Max ApplicableVoltage 最大过载电压	70℃时额定电压的130%，23℃时额定电压的170%			

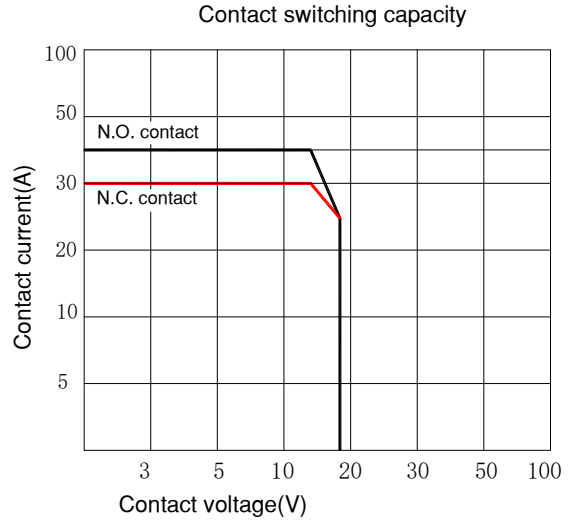
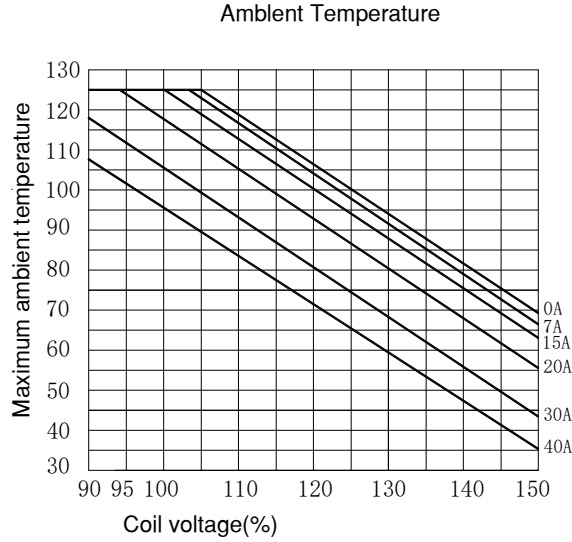
■ CONTACT DATA 触点参数

Contact Form触点形式	1Z/1H/1D/1U
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 , 2X20A 14VDC (1U) NC: 30A 14VDC
Max Switching Voltage最大转换电压	30VDC
Max Switching Current最大转换电流	40A
Max Switching Power 最大转换功率	560W
Contact Resistance接触电阻	100m Ω Max at 6VDC 1A
Life Expectancy寿命	Electrical 电气寿命: 100,000 Operations(at 20 Operations/minute)
	Mechanical机械寿命: 10,000,000 Operations

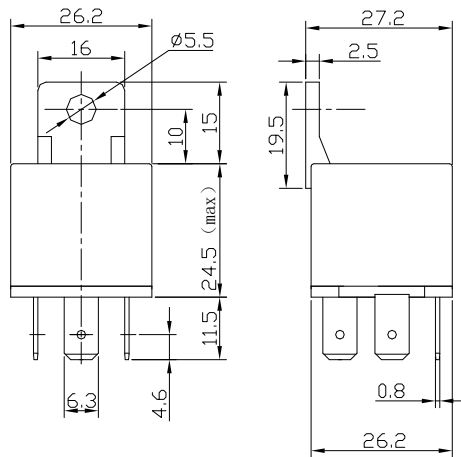
■ CONTACT DATA 一般参数

Insulation Resistance绝缘阻值	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	550VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	550VAC(for one minute)
Operate Time吸合时间	10ms
Release Time释放时间	10ms
Temperature Range环境温度	-40℃to+85℃
Shock Resistance冲击	Operating Extremes动作极限: 20G
	Damage Limits破坏极限: 100G
Vibration Resistance振动	10-40Hz, 1.5mm
Max. switching frequency最大转换频率	Mechanical:18,000operations/hr
	Electrical:1,200operations/hr
Humidity湿度	40-85%
Weight重量	Approx 31g

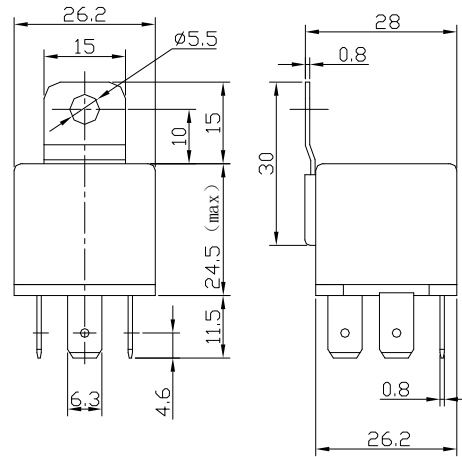
ENGINEERING DATA 设计参数



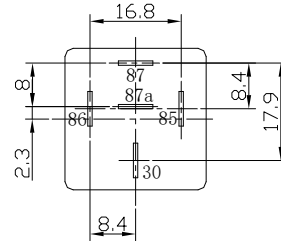
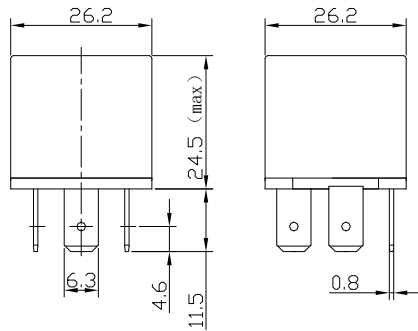
■ OVERALL AND MOUNTING DIMENSIONS 安装图



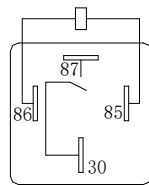
塑料安装背



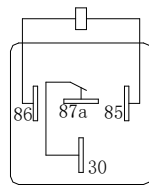
金属安装背



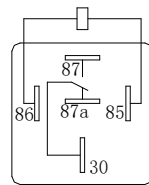
引脚安装图（快连接式）



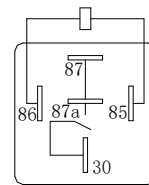
1A
接线图



1B
接线图



1C
接线图



1U
接线图

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 $\pm 0.1\text{mm}$ 。

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。