

L×W×H(mm): 32×27×20



### Features

- General automotive relay;
- Size: 27.8 × 27.8 × 24.6(mm);
- 40A contact switching ability
- Can be installed with a bracket type with a set of normal open, a set of normally closed and a set of conversion forms.

### Contact Data

Contact Form 触点形式	1A/1B/1C
Contact Material 触点材料	Ag Alloy
Contact Rating (resistive) 触点负载 (阻性)	40A/14VDC(1A) 30A/14VDC(1C)
Max. Switching Voltage 最大切换电压	75VDC

Max. Switching Current 最大切换电流	40A
Max. Switching Power 最大切换功率	560W
Contact Resistance or Voltage drop 接触电阻或接触压降	100mΩ
Electrical Life 电气寿命	1×10 <sup>5</sup> 次
Mechanical Life 机械寿命	1×10 <sup>7</sup> 次

### Coil Parameter 线圈参数

Dash numbers 规格	Coil voltage 线圈电压(VDC)		Coil resistance 线圈电阻 Ω±10%	Pickup voltage VDC(Max.) 最大起动电压	Release voltage VDC(Min.) 最小释放电压	Coil power 线圈功率	Operate Time 起动时间	Release Time 释放时间
	Rated 额定	Max. 最大						
6V	6V	6.6V	22.5	4.5V	0.6V	1.6W	≤10ms	≤10ms
12V	12V	13.2V	90	9V	1.2V			
24V	24V	26.4V	360	18V	2.4V			

### Operation condition 工作条件

Insulation Resistance 绝缘电阻		100MΩ Min. (at 500VDC)
Dielectric Strength 介质耐压	Between Contacts	50Hz 500VAC / 1 minute
	Between Coil and Contacts	50Hz 500VAC / 1 minute
Shock resistance 抗冲击		100m/s <sup>2</sup> 11ms

Vibration resistance 抗震	10~55Hz double amplitude 1.5mm
Terminals strength 引出端强度	10N
Solderability 可焊性	235℃ ±2℃ 3 ±0.5s
Ambient Temperature 环境温度	-40℃ ~ +85℃
Relative Humidity 相对湿度	85% (at 20℃)
Weight 重量(Approx.)	38g

### Ordering Information 订货说明

	TLV4	- DC	- 12V	-D	- C	-	-XX
	1	2	3	4	5	6	7
1 Part number: TLV4							
2 Coil type 线圈电压类型 DC:直流							
3 Coil rated voltage(VDC)线圈额定电压 6V: 6V; 9V:9V; 12V: 12V; 24V: 24V							
4 Coil power 线圈功率: D: 1.6W							
5 Contact form 触点形式: A: 1 Form A ; B: 1 Form B ; C: 1 Form C							
6 Mounting or Termination 外壳或引出脚: Blank: PWB mounted 线路板式 ; QC: Quick connection							
7 Special request code 特殊要求 Blank: With AgNi contact. May be followed by additional numbers and / or letters, which does not affect construction.							

### Layout (Bottom views, Unit: mm)外形尺寸、接线图 (底视图)

Dimensions / Wiring diagram (Bottom views)

Wiring diagram (Bottom views)

### Reference Data 性能曲线图

