

汽车继电器

- 30A 13.5VDC switching rating
- 40A inrush at 13.5VDC
- Smallest power relay
- 1 Form A and 1 FormC arrangements in single and dual relay packages
- For Automotive Applications
- Conform to RoHS,ELV directive

大豪电子

http://www.szdahao.com





 $13.2 \times 12 \times 9.8$

■ORDERING CODE 定购代码

$\frac{\text{TRS}}{1} \quad \begin{array}{cccc} D - & \underline{S} & - & \underline{H} & / & \underline{12VDC} \\ 1 & 2 & 3 & 4 & 5 \end{array}$

- 1. Relay Model 继电器型号
- 2. Coil Power 线圈功耗
 - L: 0.57W
 - D:0.8W
- 3. S: Sealed 密封 Nil: Vented(Flux-tight) 防焊剂型

- 4. 触点转换形式
 - H: Form A
 - Z: Form C
- 5. Coil Nominal Voltage 线圈额定电压 6,12,24VDC

■COIL DATA 线圈参数(at 20°C)

Nominal Voltage额定电压(VDC)	6	12	24		
Coil Resistance线圈阻值(Ω±10%)	63	254	1010	0.57W	
Rated Current额定电流(mA)	95	47.5	23.7		
Max Operate Voltage 最大吸合电压(VDC)	3.45	6.9	13.8		
Min Release Voltage最小释放电压(VDC)	0.6	1.2	2.4		
Coil Resistance线圈阻值(Ω±10%)	45	180	720	0.8W	
Rated Current额定电流(mA)	133.3	66.7	33.3		
Max Operate Voltage 最大吸合电压(VDC)	3.45	6.9	13.8		
Min Release Voltage最小释放电压(VDC)	0.6	1.2	2.4		
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

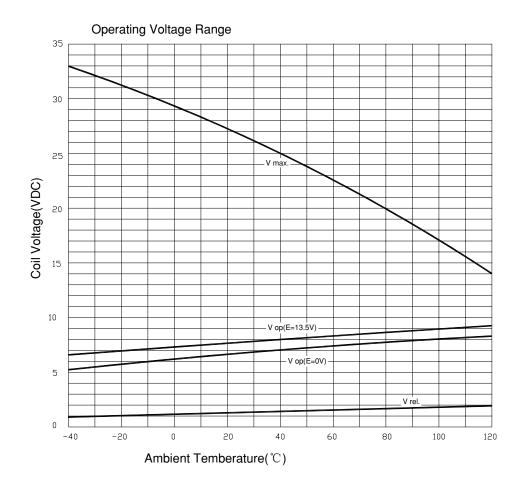
负载类型 Load Type		触点负载 NO 常开	文电流(A) NC 常闭	Frequency 频率 ops/min	Duty Cycle 占空比	电气寿命 (次) Life Expectancy	
	Resistive Load阻性负载		20		15	0.5	3×10 ⁵
Contact Ratings 触点负载 Wiper reserve雨刷电机 L=1.0mH Motor reserve blocked电机 Flasher Load 序 Lamp 灯	Make接通	25	25	15	0.5	3×10 ⁵	
	Break断开	5	5			3×10°	
	.锁定 L=0.77mH	20A Inrush		15	0.5	1×10 ⁵	
	月光灯	3×21W		80	0.5	2×10 ⁶	
	Inrush突入	100		6	1/6	1×10 ⁵	
	Steady state稳态	10				1 × 10	

Contact Form触点形式	1H/1Z		
Contact Material触点材料	Silver Alloy		
Load负载	Resistive load(COS Ф=1) Cut 13.5VDC		
Minimum load 最小负载	0.5A 12VDC		
Max Switching Current最大转换电流	40A		
Max Switching Power 最大转换功率	420W		
Contact Resistance接触电阻	100m Ω Max at 6VDC 1A		
Electrical Life Expectancy电气寿命	See "Contact Data" Table		
Mechanical机械寿命	10, 000, 000 Operations(at300Operations/minute)		

■CHARACTERISTICS DATA 性能参数

100M Ω Min at 500VDC	
500VAC(for one minute)	
500VAC(for one minute)	
4ms	
2ms	
-40°Cto+105°C	
6 msec up to 30g (No change in the switching state>10 μ sec)	
10-500Hz, 6g (No change in the switching state>10 μ sec)	
Mechanical:18,000operations/hr	
20-50%	
Approx 4g	

■ENGINEERING DATA 设计参数



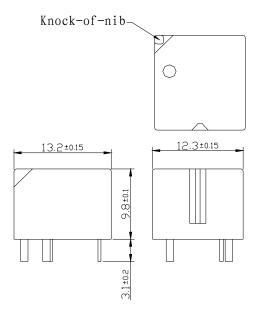
Does not take into account the temperature rise due to the contact current

V op=Operation voltage

E=Pre-Generation

■OVERALL AND MOUNTING DIMENSIONS 安装图

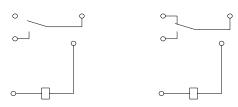
Outline Dimensions-Single Relay



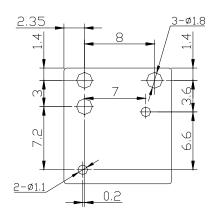
Wiring Diagrams-Single Relay(Bottom Views)

1 Form A

1 Form C



Suggested PC Board Layout-Single Relay(Bottom View)



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。