

## 特点 FEATURES

- 欧规及美规端子可供选择  
European footprint and American footprint are both available.
- 有标准型及高感度型  
Standard type & High sensitivity type available.
- 1组常开及1组转换两种接点形式  
1 Form A (SPST-NO) & 1 Form C (SPDT) arrangements.
- 最大接点电流30~40安培  
Contact current maximum 30~40 Amp.



## 用途举例 USE EXAMPLES

汽车灯载、中央门锁系统、  
直流马达控制

## 接点参数 CONTACT RATING

接点形式 Contact Form	1A SPST-NO	1C SPDT
额定负载(阻性) Rating Load(Resistive)	40A/14VDC	NO: 40A/14VDC NC: 20A/14VDC
最大切换功率 Max. Switching Power	560 W	
最大切换电压 Max. Switching Voltage	14VDC	
最小切换电流/电压 Min. Switching Current/Voltage	100mA 5VDC	
接点负载电流 Contact Rating Current	40A	NO/ NC: 40A/20A
最大浪涌电流 Max. Make Current	100A	NO/ NC: 100A/30A
最大切换电流 Max. Break Current	40A	NO/ NC: 40A/30A
接点材质 Contact Material	银合金 Ag Alloy	

## 性能参数 CHARACTERISTICS

电气寿命 Electrical Life	1×10 <sup>6</sup>	
机械寿命 Mechanical Life	1×10 <sup>7</sup>	
绝缘阻抗 Insulation Resistance	Min. 100MΩ 500VDC	
接触电阻 Contact Resistance(Initial)	≤100mΩ (6VDC 1A)	
动作时间 Operate Time	≤5ms	
开放时间 Release Time	≤4ms	
耐压 Initial Dielectric Strength	开放接点间 between open contacts : 50/60Hz 1000VAC 1min. 接点线圈间 between contacts and coil : 50/60Hz 1500VAC 1min.	
耐振动 Vibration Resistance	误动作: Functional:	10~55Hz 振幅 Amplitude 1.5mm
	耐久: Destructive:	10~55Hz 振幅 Amplitude 1.5mm
耐冲击 Shock Resistance	误动作: Functional:	10G
	耐久: Destructive:	100G
环境温度 Ambient Temperature	-40°C~+85°C (无结冰 No freezing)	
单位重量 Unit Weight	Approx 约21g	

## 型号代码说明 ORDERING INFORMATION

956 H - 1C - 12 D S U

1. 型号 Model Number
2. 线圈感度 Coil Sensitivity  
标准型 (约 1.6W) Nil =Standard Type  
高感度型 (约 1.2W) H =High Sensitivity Type
3. 接点形式 Contact Arrangement  
1组常开 1A = 1 Form A    1组转换 1C = 1 Form C
4. 线圈电压 Coil Voltage  
3、6、9、12、24VDC
5. 线圈形式 Coil Type  
直流 D=DC
6. 密封形式 Enclosure  
密封型 S = Sealed Type (有防尘外盖 with Dust cover)
7. 端子形式 Terminal Type  
美式端子脚 U = American footprint    美式特规端子脚 A = American different terminal  
欧规端子脚 E = European footprint

## 线圈额定值 (在20°C) COIL RATINGS (AT 20°C)

线圈形式 Coil Type	线圈额定电压 (V) Coil Nominal Voltage	线圈阻抗 ( $\Omega \pm 10\%$ ) Coil Resistance	动作电压(V) (Max) Pick-Up Voltage	开放电压(V) (Min) Drop-Out Voltage	额定电流 (mA) Nominal Current
直流标准线圈 (abt. 1.6W) DC Standard Coils	3	5.6	1.7	0.3	533.3
	6	22.5	3.4	0.6	266.7
	12	90	6.8	1.2	133.3
	24	360	13.6	2.4	66.7
直流高感度线圈 (abt. 1.2W) DC High Sensitivity Coils	6	30	4.5	0.6	200
	9	67.5	6.75	0.9	133.3
	12	120	9	1.2	100
	24	480	18	2.4	50

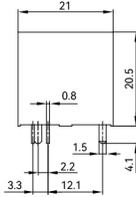
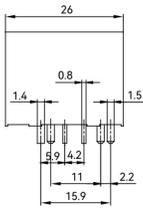
\* 最大使用电压在20°C:线圈额定电压的130%  
Max Continuous Voltage at 20°C:130% of Coil Normal Voltage

## 外部尺寸 OUTLINE DIMENSIONS

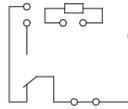
单位: 毫米 UNIT: mm

密封型 Sealed Type  
欧规 Europe

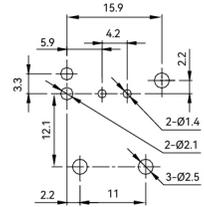
尺寸 Dimensions



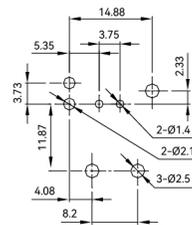
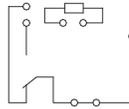
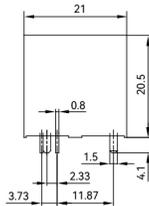
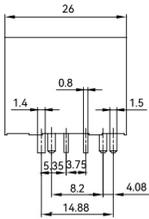
内部连接 Internal Connections  
(底视图 Bottom View)



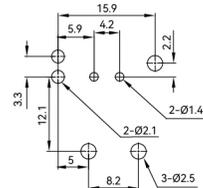
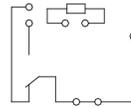
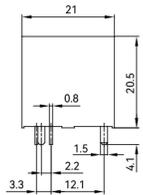
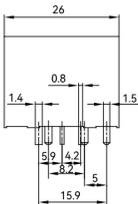
孔位图 PCB Layout  
(底视图 Bottom View)



美规 U.S.A.



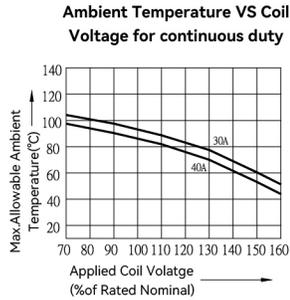
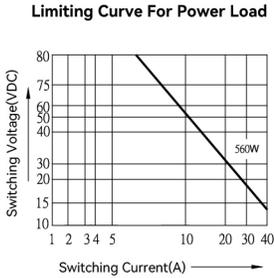
美式特规 U.S.A. different terminal



备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , 印刷电路板孔 $+0.2\text{mm}$

REMARK: Dimensions  $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , the tolerance of PCB thru hole:  $+0.2\text{mm}$

## 参考资料 956 REFERENCE DATA



Assumptions: 1. Thermal resistance=45° per watt  
 2. Nominal coil resistance  
 3. Curves are based on 1.6watts at 20°C

持续使用时, 环境温度与线圈电压对比  
 Ambient temperature. Coil voltage for continuous duty

## 安规认证 SAFETY STANDARD

安规名称 Approval	线圈电压 Coil Voltage	接点额定值 Contact Rating
TUV FILE NO.:R50456300	DC:12V,24V	NO:40A 14VDC NO:30A 14VDC NC:30A 14VDC NC:20A 14VDC