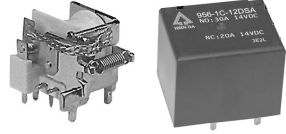


## FEATURES 特点

- European footprint and American footprint are both available.  
欧规及美规端子可供选择。
- Standard type & High sensitivity type available.  
有标准型及高感度型
- 1 Form A (SPST-NO) & 1 Form C (SPDT) arrangements.  
1组常开 及1组转换两种接点形式  
Open type (without dust cover) and Seal type which can  
● protect the Relays form dust.  
敞开型(无外盖)及封胶型皆供选择。
- Contact current maximum 30 ~ 40 Amp  
最大接点电流 30 ~ 40 安培



用途：汽车灯载、中央门锁系统、直流马达控制。

## CONTACT RATING 接点参数

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

## CHARACTERISTICS 性能参数

Electrical Life 电气寿命	1 × 10 <sup>5</sup>	
Mechanical Life机械寿命	1 × 10 <sup>7</sup>	
Insulation Resistance绝缘阻抗	Min. 100MΩ 500VDC	
Contact Resistance(Initial)接点电阻	≤ 100mΩ	
Operate Time 动作时间	≤ 5ms	
Release Time 开放时间	≤ 4ms	
Initial Dielectric Strength 耐压	between open contacts开放接点间: 50/60Hz 1000VAC 1min. between contacts and coil接点线圈间: 50/60Hz 1500VAC 1min.	
Vibration Resistance 耐振动	Malfunction: 误动作:	10 ~ 55Hz Amplitude振幅 1.5mm
	Damage limits: 耐久:	10 ~ 55Hz Amplitude振幅 1.5mm
Shock Resistance 耐冲击	Malfunction: 误动作:	10G
	Damage limits: 耐久:	100G
Ambient Temperature环境温度	-40℃ ~ +85℃ (No freezing 无结冰)	
Unit Weight单位重量	Open type Approx. 敞开型约16g / Seal type approx. 封胶型约21g	

## ORDERING INFORMATION 型号代码说明

956 H - 1C - 12 - D S U	
1 2 3 4 5 6 7	
1. Model Number 型号 2. Coil Sensitivity 线圈感度 Nil = Standard Type 标准型(约 1.6W) H = High Sensitive Type 高感度型(约 1.2W) 3. Contact Arrangement 接点形式 1A = 1 Form A 1 组常开 1C = 1 Form C 1 组转换 4. Coil Voltage 线圈电压 3 ~ 24VDC	5. Coil Type 线圈形式 D=DC 直流 6. Enclosure 密封形式 Nil = Open Type 开放型(without Dust cover 无防尘外盖) S = Sealed Type 密封胶型(with Dust cover 有防尘外盖) 7. Terminal Type 端子形式 U = American footprint 美式端子脚 A = American different terminal 美式特规端子脚 E = European footprint 欧规端子脚

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

COIL TYPE 线圈形式	Coil Nominal Voltage 线圈额定电压 (V)	Coil Resistance 线圈阻抗 ( $\Omega \pm 10\%$ )	Pick-Up Voltage 动作电压(V) (Max)	Drop-Out Voltage 开放电压(V) (Min)	Nominal Current 额定电流 (mA)
DC Standard Coils 直流标准线圈 (abt. 1.6W)	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
DC High Sensitive Coils 直流高感度线圈 (abt. 1.2W)	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

\* Max Continuous Voltage at 20° C: 110% of Coil Normal Voltage.  
 最大使用电压在20°C:线圈额定电压的110%。

## OUTLINE DIMENSIONS 外部尺寸

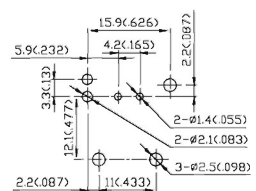
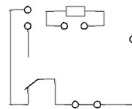
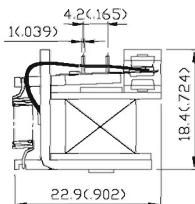
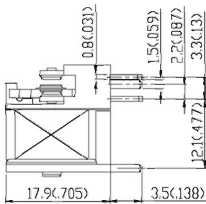
OPEN TYPE 开放型  
 EUROPE 欧规

UNIT: mm(inch) 单位: 毫米(英寸)

Dimensions 尺寸

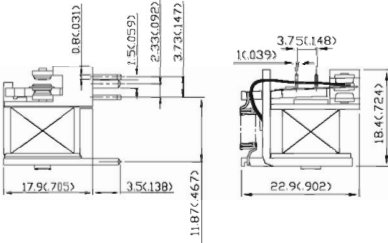
Internal Connections 内部连接  
 (Bottom View 底视图)

Drilling Plan 孔位图  
 (Bottom View 底视图)

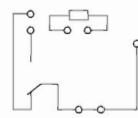


## U.S.A. 美規

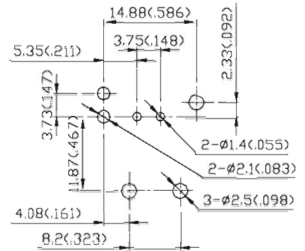
Dimensions尺寸



Internal Connections内部连接  
(Bottom View/底视图)

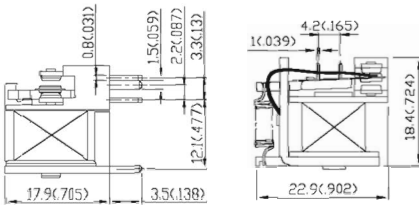


Drilling Plan孔位图  
(Bottom View/底视图)

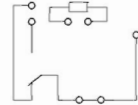


## U.S.A. different terminal 美式特規

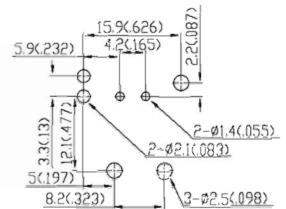
Dimensions尺寸



Internal Connections内部连接  
(Bottom View/底视图)

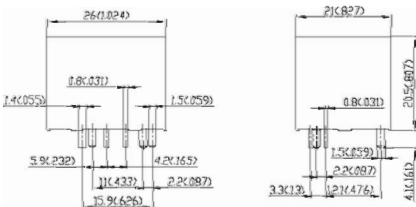


Drilling Plan孔位图  
(Bottom View/底视图)

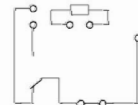


## SEALED TYPE 密封型 EUROPE 欧規

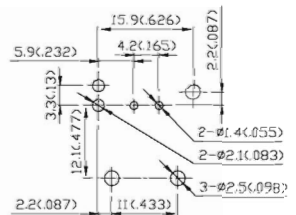
Dimensions尺寸



Internal Connections内部连接  
(Bottom View/底视图)



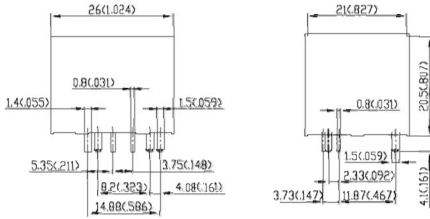
Drilling Plan孔位图  
(Bottom View/底视图)



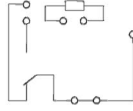
REMARK: Dimensions  $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , the tolerance of PCB thru hole:  $+0.2\text{mm}$   
备注: 尺寸公差  $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , 印刷电路板孔 $+0.2\text{mm}$

## U.S.A. 美規

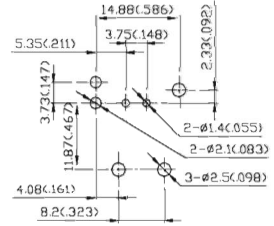
Dimensions尺寸



Internal Connections内部连接  
(Bottom View底视图)

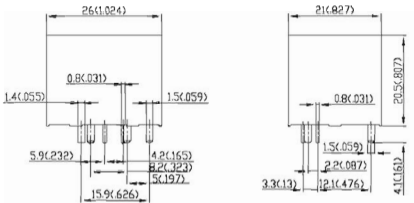


Drilling Plan孔位图  
(Bottom View底视图)

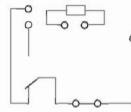


## U.S.A. different terminal 美式特規

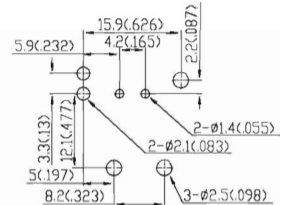
Dimensions尺寸



Internal Connections内部连接  
(Bottom View底视图)



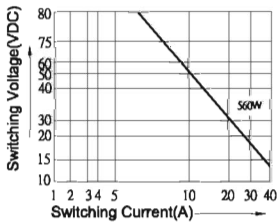
Drilling Plan孔位图  
(Bottom View底视图)



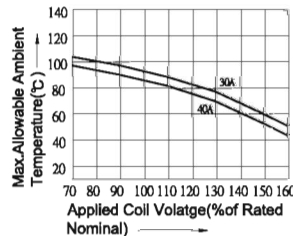
REMARK: Dimensions  $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , the tolerance of PCB thru hole:  $+0.2\text{mm}$   
备注: 尺寸公差  $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , 印刷电路板孔 $+0.2\text{mm}$

## 956 Reference Data 参考資料

Limiting Curve For Power Load



Ambient Temperature Versus Coil Voltage God Continuous Duty



Assumptions: 1. Thermal resistance =  $45^\circ$  per watt  
2. Nominal coil resistance  
3. Curves are based on 1.6 watts at  $20^\circ\text{C}$

## AMBIENT TEMPERATURE VS. COIL VOLTAGE FOR CONTINUOUS DUTY

持续使用时, 环境温度与线圈电压对比