

FEATURES 特点

- UL ,CE & CQC safety approval. UL ,CE 及 CQC 安全认证.
- 1 Pole and 2 Pole types are available with switching current of 16A (1Pole) and 10A (2 Pole).
1组及2组转换接点形式转换电流为16安培(1组)及10安培(2组)
- PCB terminal and Socket terminal are selectable and flange case type is available.
有电路板端子及插座式端子可供选择以及法兰式外盖可供选用
- Nominal power DC 900mW & AC 1.2VA.
正常功耗:直流为 900mW 及交流为 1.2VA
- Operating power DC 510mW. 动作功耗直流 510mW
- Optional to be equipped with lamp, diode
另有带灯和二极管可供选配



UL FILE NO.: E162117
CQC FILE NO.: CQC04001009878
CE DECLARATION OF CONFORMITY
用途: 自动控制、通讯设备、
家用电器及机床电器

CONTACT RATING 接点参数

Contact form接点形式	1A SPST-NO	1C SPDT	2C DPDT
Max. Switching Power最大切换功率	5000VA(20A) 480W(16A)	4000VA 480W	2500VA 300W
Max. Switching Voltage最大切换电压	250VAC 30VDC		
Max. Switching Current最大切换电流	20A	16A	10A
Min. Switching Current/Voltage 最小切换电流/电压	100mA 5VDC		
Rating Load(Resistive)额定负载(阻性)	20A/250VAC 16A/30VDC	16A/250VAC 16A/30VDC	10A/250VAC 10A/30VDC
Contact Material接点材质	Ag Alloy银合金		

CHARACTERISTICS 性能参数

Electrical Life 电气寿命	1 × 10 ⁵	
Mechanical Life机械寿命	1 × 10 ⁷	
Insulation Resistance绝缘阻抗	Min. 100MΩ 500VDC	
Contact Resistance(Initial)接点电阻	≤100mΩ	
Operate Time 动作时间	≤25ms	
Release Time 开放时间	≤25ms	
Initial Dielectric Strength 耐压	between open contacts开放接点间: 50/60Hz 500VAC 1min. between contacts and coil线圈接点间: 50/60Hz 1500VAC 1min. between contact sets接点组间: 50/60Hz 1500VAC 1min.	
Vibration Resistance 耐振动	Malfunction: 误动作:	10 ~ 55Hz Double Amplitude双振幅 1.5mm
	Damage limits: 耐久:	10 ~ 55Hz Double Amplitude双振幅 1.5mm
Shock Resistance 耐冲击	Malfunction: 误动作:	10G
	Damage limits: 耐久:	100G
Ambient Temperature环境温度	-25℃ ~ +55℃ (No freezing 无结冰)	
Relative Humidity相对湿度	85% at 40℃	
Unit Weight单位重量	约Approx. 35g	



951(1C、2C) 系列继电器 SERIES RELAY

ORDERING INFORMATION 型号代码说明

951 -1C - 12 D P M L G - F	
1 2 3 4 5 6 7 8 9	
<p>1. Model Number 型号</p> <p>2. Contact Arrangement 接点形式 1A = 1 Form A 1组常开 1C = 1 Form C 1组转换 2C = 2 Form C 2组转换</p> <p>3. Coil Voltage 线圈电压 6 ~ 100VDC 12 ~ 240VAC</p> <p>4. Coil Type 线圈形式 D=DC 直流 A=AC 交流</p> <p>5. Terminal Type 端子形式 Nil = Socket Terminal 插座式端子 P = P.C.B. Terminal 电路板式端子</p>	<p>6. Cover Type Nil = General Type 普通型 M = Flange Top Type 法兰式</p> <p>7. Optional 选择 Nil = General Type 普通型 L = With Lamp and Diode (DC coil Type only) 带灯及附二极管型(仅限直流线圈) N = With Lamp 带灯型</p> <p>8. Contact Material 接点材质 Nil = General Type 普通型 G = Contact with Gold Plating 镀金接点型</p> <p>9. Type of Insulation 绝缘形式 Nil = Class A F = Class F</p>

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 直流型线圈 (abt.0.9W)	6	40	4.5	0.6	150
	12	160	9	1.2	75
	24	650	18	2.4	37
	48	2600	36	4.8	19
	100	11000	75	10	9
AC Coils 交流线圈 (abt.1.2VA)	12	46	9	3.6	
	24	180	18	7.2	
	110	3750	82.5	33	
	120	4430	90	36	
	220	12950	165	66	
	240	18790	180	72	

* 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

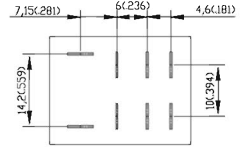
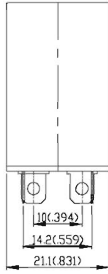
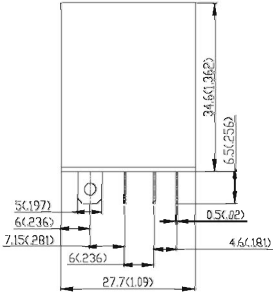
UNIT: mm(inch) 单位: 毫米(英寸)

Dimensions 尺寸

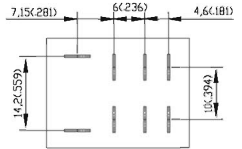
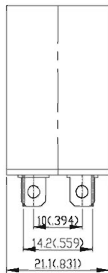
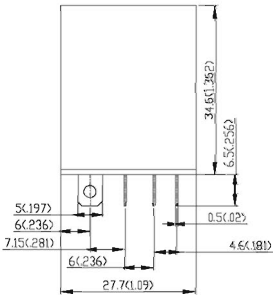
Internal Connections 接线图
(Bottom View 底视图)

Drilling Plan 孔位图
(Bottom View 底视图)

GENERAL TYPE 普通型 Socket Terminal 插座式端子

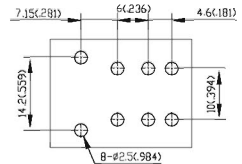
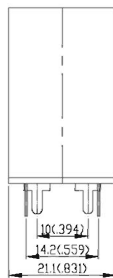
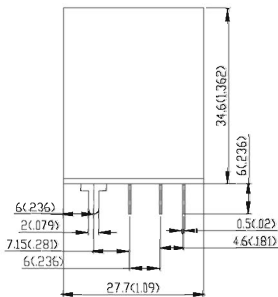


1 Form C



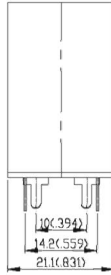
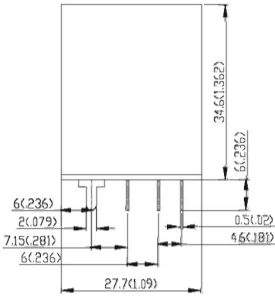
2 Form C

P.C.B Terminal 电路板式端子

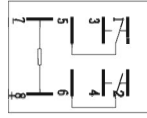


1 Form C

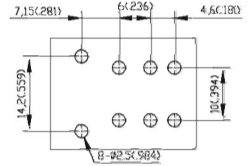
Dimensions 尺寸



Internal Connections 接线图
(Bottom View 底视图)

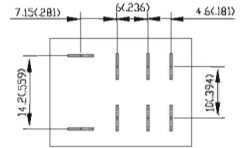
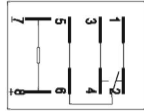
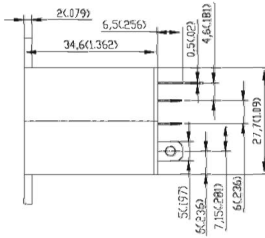
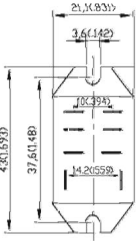


Drilling Plan 孔位图
(Bottom View 底视图)

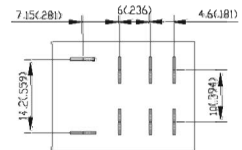
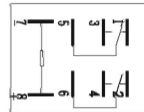
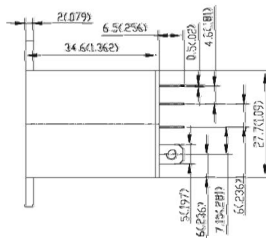
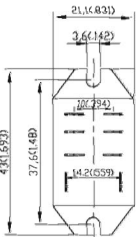


Flange Top Type 法兰式
Socket Terminal 插座式端子

2 Form C



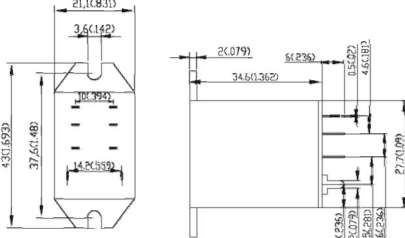
1 Form C



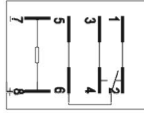
2 Form C

P.C.B Terminal 电路板式端子

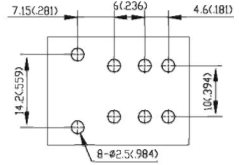
Dimensions 尺寸



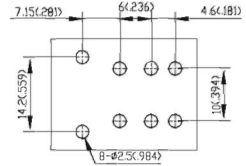
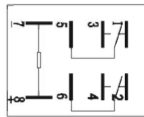
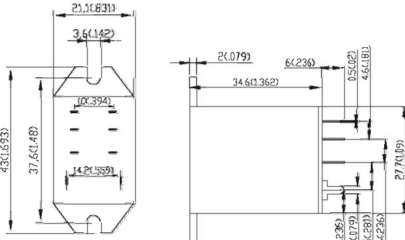
Internal Connections 接线图 (Bottom View 底视图)



Drilling Plan 孔位图 (Bottom View 底视图)



1 Form C



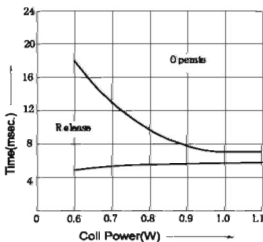
2 Form C

*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 $+0.2\text{mm}$

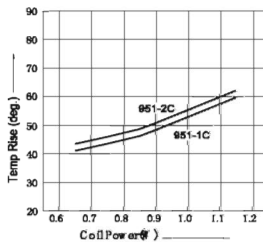
*The polarity of coil is only applied for DL, DN, DPL and DPN type 线圈极性仅适用于DL, DN, DPL 及 DPN

951(1C、2C) Reference Data 参考资料

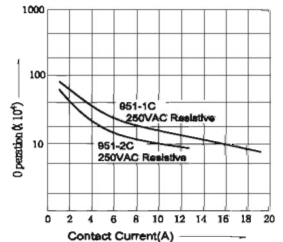
Timing



Coil Temperature Rise



Life Curves





951(1C、2C) 系列继电器SERIES RELAY

SAFETY STANDARD安规认证

SAFETY 安规名称	Coil Voltage 线圈电压	Contact Rated 接点额定值
CQC	DC:12V,24V AC:110V,220V	(951-1A) 20A 250VAC (951-1C) 16A 250VAC (951-2A/2C) 10A 250VAC
UL	DC: 6 ~ 110V AC: 12 ~ 240V	(951-1A) 20A 250VAC, 16A 30VDC (951-1C) 16A 250VAC, 16A 30VDC (951-2C) 10A 250VAC,10A 30VDC