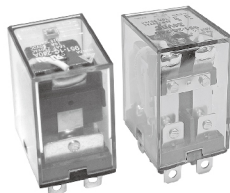


特点 FEATURES

- **UL ,CE 及 CQC 安全认证**
UL ,CE & CQC safety approval.
- **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)**
1 Pole and 2 Pole types are available with switching current of 16A (1Pole) and 10A (2 Pole).
- **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**
PCB terminal and Socket terminal are selectable and flange case type is available.
- **正常功耗:直流为 900mW 及交流为 1.2VA**
Nominal power DC 900mW & AC 1.2VA.
- **动作功耗直流 510mW**
Operating power DC 510mW.
- **另有带灯和二极管可供选配**
Optional to be equipped with lamp, diode.



用途举例 USE EXAMPLES

自动控制、通讯设备、家用电器及
机床电器

接点参数 CONTACT RATING

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

性能参数 CHARACTERISTICS

电气寿命 Electrical Life	1×10 ⁵	
机械寿命 Mechanical Life	1×10 ⁷	
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	≤25ms	
开放时间 Release Time	≤25ms	
耐压 Initial Dielectric Strength	开放接点间 between open contacts: 50/60Hz 1000VAC 1min. 线圈接点间 between contacts and coil: 50/60Hz 1500VAC 1min. 接点组间 between contact sets: 50/60Hz 1500VAC 1min.	
耐振动 Vibration Resistance	误动作: Fuctional:	10~55Hz 双振幅 Double Amplitude 1.5mm
	耐久: Destructive:	10~55Hz 双振幅 Double Amplitude 1.5mm
耐冲击 Shock Resistance	误动作: Fuctional:	10G
	耐久: Destructive:	100G
环境温度 Ambient Temperature	-25℃~+55℃ (无结冰 No freezing)	
相对湿度 Relative Humidity	85% at 40℃	
单位重量 Unit Weight	约Approx.35g	

型号代码说明 ORDERING INFORMATION

1. 型号 Model Number	951	-	1C	-	12	D	P	M	L	G	-	F
2. 接点形式 Contact Arrangement												
1组常开 1A = 1 Form A												
1组转换 1C = 1 Form C												
2组转换 2C = 2 Form C												
3. 线圈电压 Coil Voltage												
6、12、24、48、100VDC												
12、24、110、120、220、240VAC												
4. 线圈形式 Coil Type												
直流 D=DC 交流 A=AC												
5. 端子形式 Terminal Type												
插座式端子 Nil = Socket Terminal 电路板式端子 P = P.C.B. Terminal												
6. 外盖形式 Cover Type												
普通型 Nil = General Type 法兰式 M = Flange Top Type												
7. 选择 Optional												
普通型 Nil = General Type 带灯型 N = With LED												
带灯及附二极管型(仅限直流线圈)L = With LED and Diode(DC coil Type only)												
8. 接点材质 Contact Material												
普通型 Nil = General Type 镀金接点型 G = Contact with Gold Plating												
9. 绝缘形式 Type of Insulation												
Nil = Class A F = Class F												

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
直流型线圈 (abt.0.9W) DC Standard Coils	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
交流线圈 (abt.1.2VA) AC Coils	12	46	9.6	3.6	
	24	180	19.2	7.2	
	48	720	38.4	14.4	
	110	3750	88	33	
	120	4430	96	36	
	220	12950	176	66	
	240	18790	192	72	

* 最大使用电压在20°C:线圈额定电压的110%

Max Continuous Voltage at 20°C:110% of Coil Normal Voltage

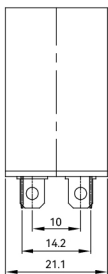
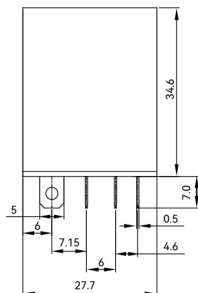
外部尺寸 OUTLINE DIMENSIONS

单位: 毫米 UNIT: mm

尺寸 Dimensions

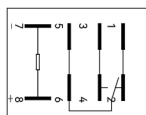
普通型 Genneral Type

插座式端子 Socket Terminal



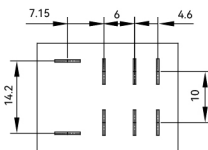
接线图 Internal Connections

(底视图 Bottom View)

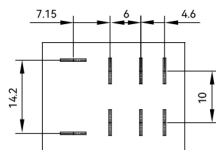
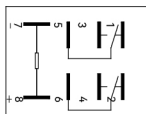
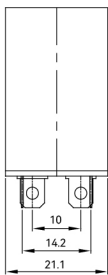
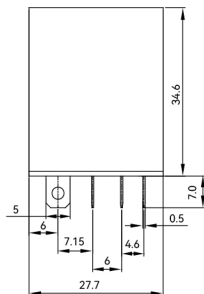


孔位图 Plug in

(底视图 Bottom View)

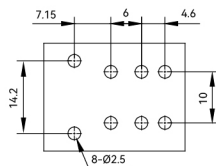
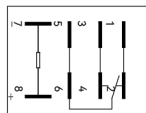
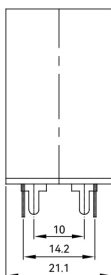
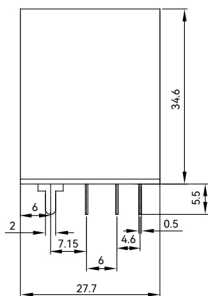


1 Form C



2 Form C

电路板式端子 P.C.B Terminal



1 Form C

* 线圈极性仅适用于DL, DN, DPL 及 DPN The polarity of coil is only applied for DL, DN, DPL and DPN type2 Form C

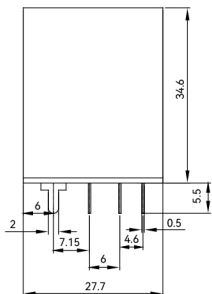
* 备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

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: $+0.2\text{mm}$

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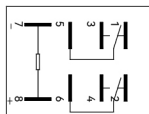
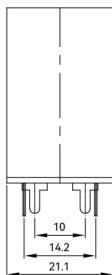
外部尺寸 OUTLINE DIMENSIONS

尺寸 Dimensions



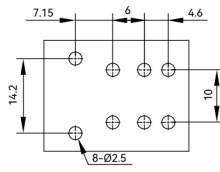
接线图 Internal Connections

(底视图 Bottom View)



孔位图 PCB Layout

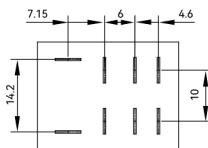
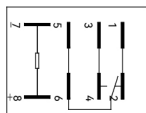
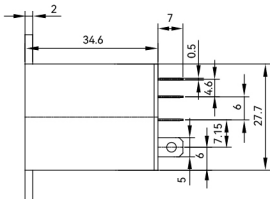
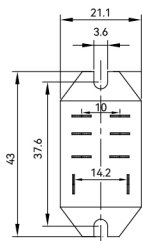
(底视图 Bottom View)



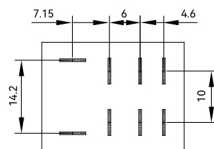
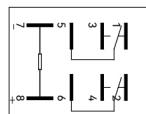
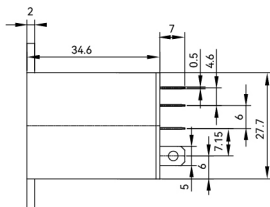
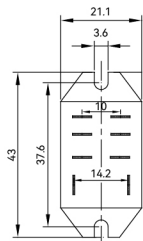
2 Form C

法兰式 Flange Cover

插座式端子 Socket Terminal



1 Form C



2 Form C

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外部尺寸 OUTLINE DIMENSIONS

电路板式端子 P.C.B Terminal

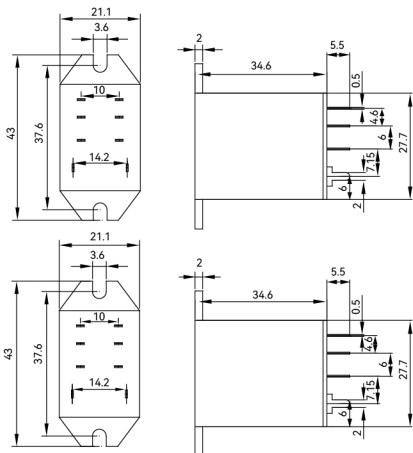
尺寸 Dimensions

接线图 Internal Connections

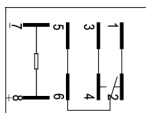
(底视图 Bottom View)

孔位图 PCB Layout

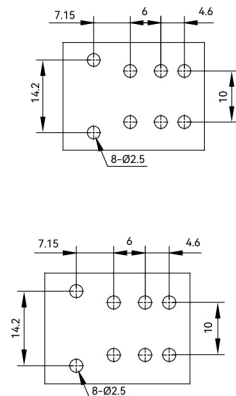
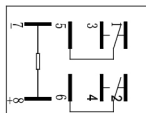
(底视图 Bottom View)



1 Form C



2 Form C

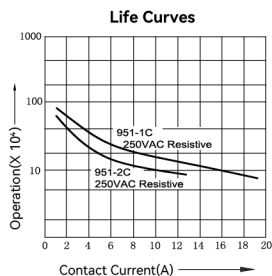
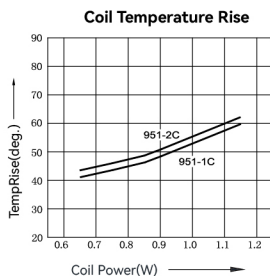
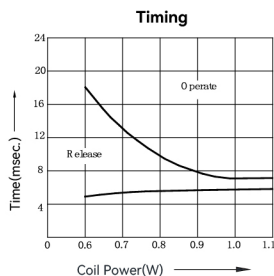


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参考资料 951(1C、2C) REFERENCE DATA



安规认证 SAFETY STANDARD

安规名称 Approval	线圈电压 Coil Voltage	接点额定值 Contact Rating
UL FILE NO.: E162117	DC: 6V ~ 110V AC: 12V ~ 240V	(951-1A) 20A 250VAC, 16A 30VDC (951-1C) 16A 250VAC, 16A 30VDC (951-2C) 10A 250VAC, 10A 30VDC
CQC FILE NO.: CQC04001009878	DC: 12V, 24V, 48V AC: 110V, 220V	(951-1A) 20A 250VAC (951-1C) 16A 250VAC (951-2A/2C) 10A 250VAC