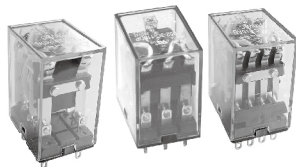


特点 FEATURES

- **UL ,CE 及 CQC 安全认证**
UL ,CE & CQC safety approval.
- **2组到4组转换接点形式, 切换电流7A(2组、3组)及5A(4组)**
2 Pole to 4 Pole are prepared with switching current of 7A (2 pole, 3 pole) and 5A (4 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 900mW & AC 1.2VA.
- **动作功耗直流 510mW**
Operating power DC510mW.
- **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	2C DPDT	3C 3PDT	4C 4PDT
最大切换功率 Max. Switching Power	1750VA 210W		1250VA 150W
最大切换电压 Max. Switching Voltage	250VAC 30VDC		
最大切换电流 Max. Switching Current	7A		5A
最小切换电流/电压 Min. Switching Current / Voltage	100mA 5VDC		
额定负载(阻性) Rating Load(Resistive)	7A 250VAC 7A 30VDC		5A 250VAC 5A 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	Approx.35g	



952系列继电器SERIES RELAY

型号代码说明 ORDERING INFORMATION

952 - 4C - 12 D P M L G - F

1. 型号 Model Number
2. 接点形式 Contact Arrangement
2组转换 2C = 2 Form C (DPDT)
3组转换 3C = 3 Form C (3PDT)
4组转换 4C = 4 Form C (4PDT)
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
插座型端子 Nil = Socket Terminal 电路板型端子 P = P.C.B. Terminal
6. 外盖形式 Cover Type
普通型 Nil = General Type 法兰式 M = Flange Type
7. 选择 Optional
普通型 Nil = General Type 带灯 N = With LED
带灯及二极管(仅限直流线圈) L = With LED and Diode (DC Coil Type only)
8. 接点形式 Contact Type
普通型 Nil = General Type 接点镀金型 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
直流线圈 (abt. 0.9W) DC 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	
	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

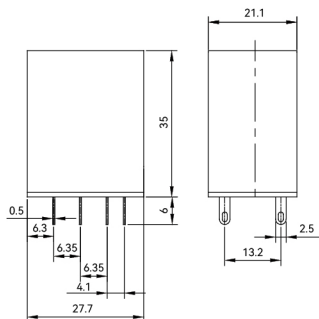
外部尺寸 OUTLINE DIMENSIONS

普通型 Genneral Type

单位: 毫米 UNIT: mm

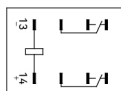
插座式端子 Socket Terminal

尺寸 Dimensions



接线图 Internal Connections

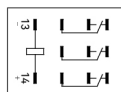
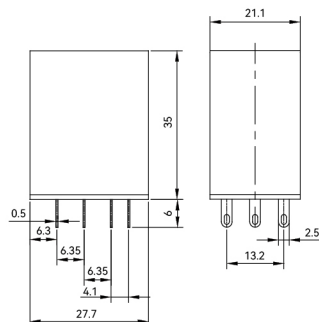
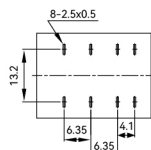
(底视图 Bottom View)



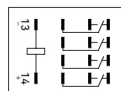
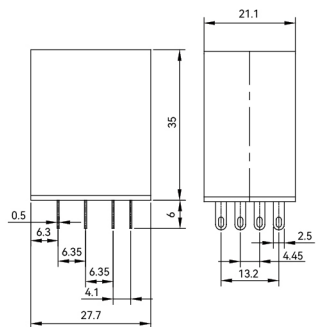
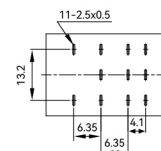
2 Form C

孔位图 Plug in

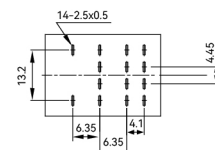
(底视图 Bottom View)



3 Form C



4 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: $+0.2\text{mm}$

* 线圈极性仅适用于DL, DN, DPL 及 DPN

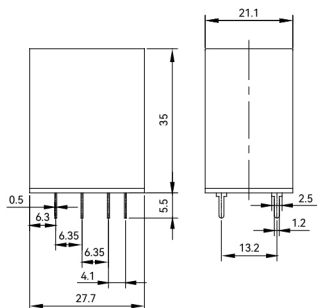
The polarity of coil is only applied for DL, DN, DPL and DPN type

外部尺寸 OUTLINE DIMENSIONS

电路板式端子 P.C.B Terminal

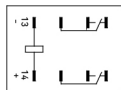
单位: 毫米 UNIT: mm

尺寸 Dimensions



接线图 Internal Connections

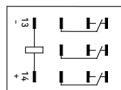
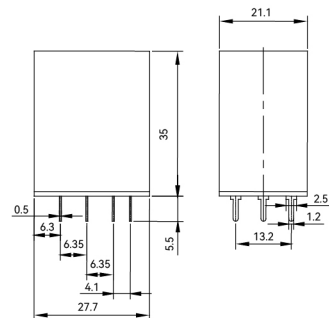
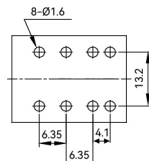
(底视图 Bottom View)



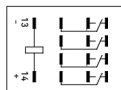
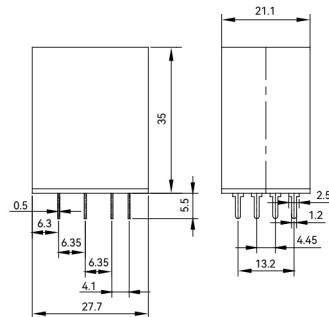
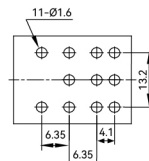
2 Form C

孔位图 PCB Layout

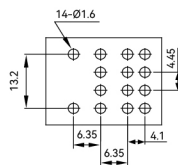
(底视图 Bottom View)



3 Form C



4 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: $+0.2\text{mm}$

* 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 type

外部尺寸 OUTLINE DIMENSIONS

法兰式 Flange Cover

插座式端子 Socket Terminal

单位: 毫米 UNIT: mm

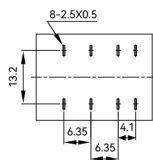
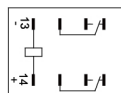
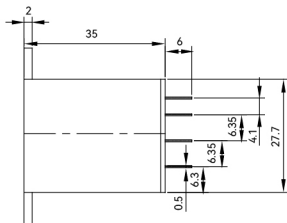
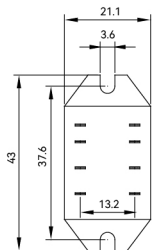
尺寸 Dimensions

接线图 Internal Connections

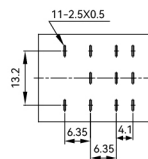
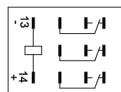
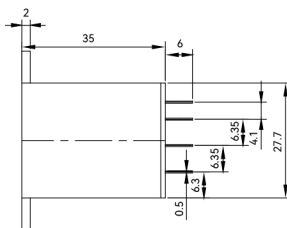
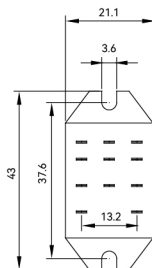
孔位图 Plug in

(底视图 Bottom View)

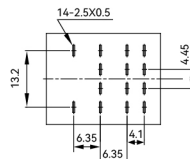
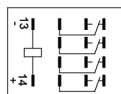
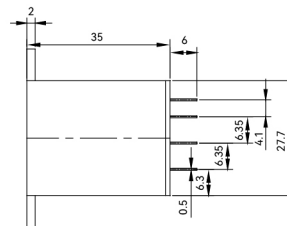
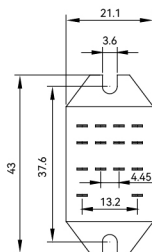
(底视图 Bottom View)



2 Form C



3 Form C



4 Form C

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The polarity of coil is only applied for DL, DN, DPL and DPN type

外部尺寸 OUTLINE DIMENSIONS

电路板式端子 P.C.B Terminal

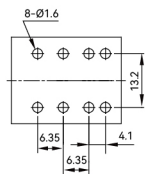
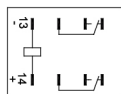
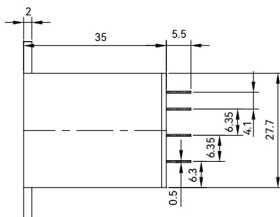
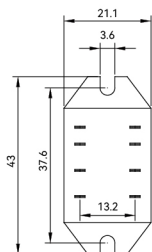
尺寸 Dimensions

接线图 Internal Connections

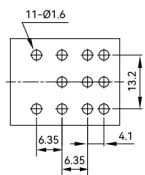
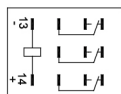
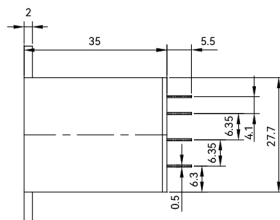
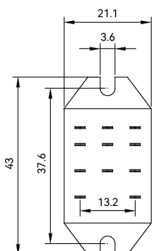
孔位图 PCB Layout

(底视图 Bottom View)

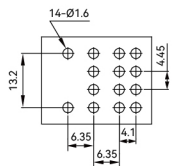
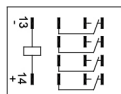
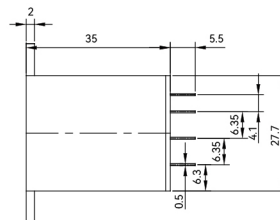
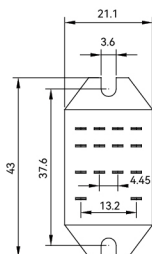
(底视图 Bottom View)



2 Form C



3 Form C



4 Form C

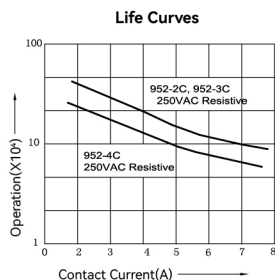
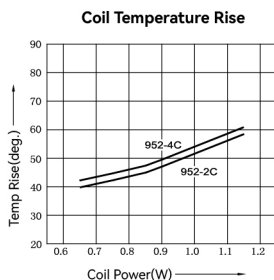
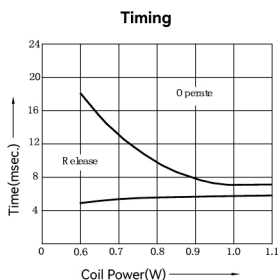
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The polarity of coil is only applied for DL, DN, DPL and DPN type

参考资料 952 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	7A 250VAC, 7A 30VDC (952-2C/3C) 5A 250VAC, 5A 30VDC (952-4C)
CQC FILE NO.: CQC04001009878	DC: 12V, 24V, 48V AC: 110V, 220V	7A 250VAC (952-2C/3C) 5A 250VAC (952-4C)