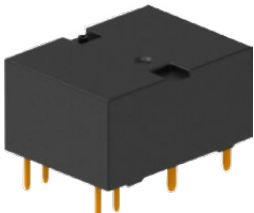


ML601

工控应用

Industrial Control Applications

- 高触点切换能力
- 线圈与触点间耐压为 2.5KV
- 具有单稳态和双稳态形式
- High contact switching capability
- Withstand voltage between coil and contact is 2.5KV
- Available in monostable and bistable form
- Contact form: 1A, 1B, 2A, 2B, 1AB
- 环保产品（符合 RoHS）
- Environmental friendly products (RoHS compliant)



ML601	S	2	12	1A	L1	R	XXX
产品型号 Model	封装形式 Construction	触点组数 Number of poles	线圈电压 Coil voltage	触点形式 Contact Form	线圈类型 Coil Type	极性特点 Polarity	特殊型号 Special Model
	S: 塑封型 无: 防焊剂型 S: Wash tight Nil:Flux Proof	1:1 组 1 Pole 2:2 组 2-Pole	6: 6VDC 9: 9VDC 12: 12VDC 24: 24VDC	1A: 一组常开 Group NO 1B: 一组常闭 Group NC 2A: 二组常开 Group NO 2B: 二组常闭 Group NC 1AB: 一组常开一组常闭 GroupNO GroupNC	无: 单稳态 Nil: Monostable L1: 单线圈 Single Coil L2: 双线圈 Dual Coils	无: 标准极性 R: 反向极性 Nil: Standard polarity R: Reversed Polarity	XXX: 特殊要求 XXX: Customer Special Requirement

触点参数 CONTACT PARAMETERS

触点形式 Contact Form	1a、1b(仅限双稳态型 Bistable type only)	2a、2b、1ab
触点材料 Contact Material	银合金 Silver Alloy	
接触电阻 Contact Resistance	≤ 50mΩ (1A 6VDC)	
触点负载 (阻性) Contact Rating(Res.Load)	10A 250VAC	8A 250VAC
最大切换电流 (阻性) Max.Switching Current(Res.Load)	10A	8A
最大切换电压 (阻性) Max.Switching Voltage(Res.Load)	250VAC	
最大切换功率 Max.Switching Power	2500KV	2000KV
电气寿命 Electrical Life	1×10 ⁵ 次 OPS	
机械寿命 Mechanical Life	1×10 ⁶ 次 OPS	

性能参数 CHARACTERISTICS

绝缘电阻 Insulation Resistance	1000MΩ Min. (500VDC)
介质耐压 Dielectric Strength	触点与线圈间 Between Coil & Contacts: 4000VAC 1min 断开触点间 Between Open Contacts: 1000VAC 1min
动作时间 Set Time	≤ 10ms
复归时间 Reset Time	≤ 10ms
冲击 Shock	功能性的 Functional 98m/s ² 破坏性的 Destructive 980m/s ²
振动 Vibration	10Hz~55Hz 1.5mm 双振幅 (DA)
湿度 Humidity	5%~85%RH
温度范围 Ambient Temperature	-40°C ~ +85°C
引出端形式 Termination	印制板式 PCB
封装方式 Construction	塑封型 Wash tight 防焊剂型 Flux Proof
重量 Unit Weight	约 Approx.6g

ML601

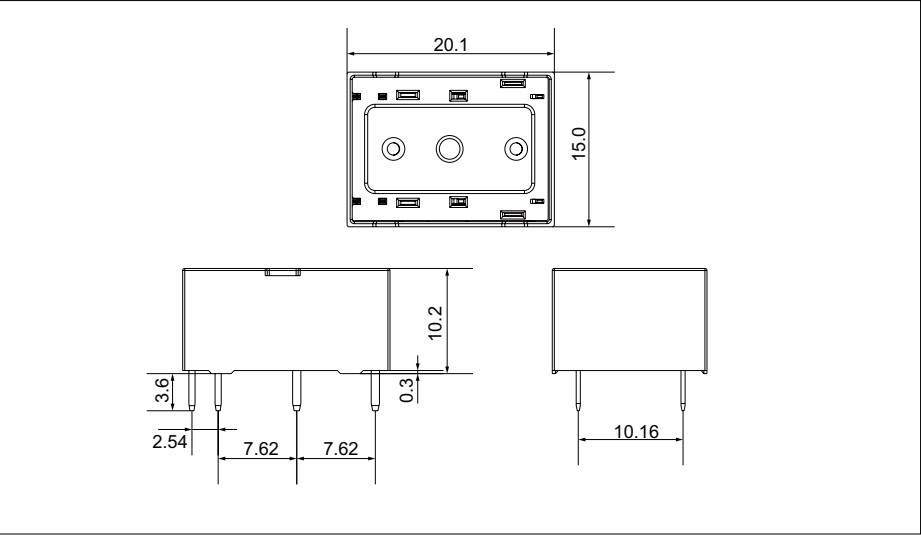
线圈规格表 COIL DATA(23°C)

额定电压 Rated Voltage VDC	动作 / 复归电压 Operate/Reset Voltage VDC	脉冲宽度 Pulse Duration ms	线圈电阻 Coil Resistance $\Omega \pm 10\%$	线圈功耗 Coil Power W
3	≤ 2.4	≥ 50	单线圈双稳态 Single coil latching bistable	约 Approx. 0.2
5	≤ 4			
6	≤ 4.8			
9	≤ 7.2			
12	≤ 9.6			
24	≤ 19.2			
3	≤ 2.4	≥ 50	双线圈双稳态 Dual Coils latching bistable	约 Approx. 0.28
5	≤ 4			
6	≤ 4.8			
9	≤ 7.2			
12	≤ 9.6			
24	≤ 19.2			

额定电压 Rated Voltage VDC	动作电压 Set Voltage VDC	释放电压 Reset Voltage VDC	线圈电阻 Coil Resistance $\Omega \pm 10\%$	线圈功耗 Coil Power W
3	≤ 2.4	≥ 0.3	单稳态 Monostable	约 Approx. 0.28
5	≤ 4	≥ 0.5		
6	≤ 4.8	≥ 0.6		
9	≤ 7.2	≥ 0.9		
12	≤ 9.6	≥ 1.2		
24	≤ 19.2	≥ 2.4		

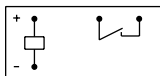
单位 Unit: mm

外形尺寸 PROFILE DIMENSION

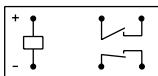


接线图 WIRING DIAGRAM

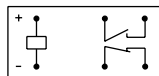
单稳态 Monostable



一组常开 1 pole NO

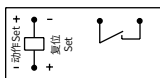


两组常开 2-pole NO

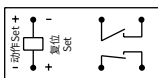


一组常开一组常闭 1 pole NO/NC

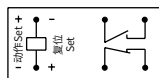
单线圈双稳态 (标准极性) Single coil latching bistable(Default Polarity)



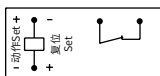
一组常开 1 pole NO



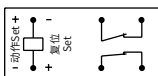
两组常开 2-pole NO



一组常开一组常闭 1 pole NO/NC

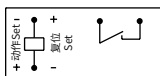


一组常闭 1 pole NC

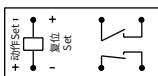


两组常闭 2-pole NC

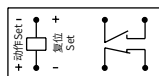
单线圈双稳态 (反向极性) Single coil latching bistable(Reversed Polarity)



一组常开 1 pole NO

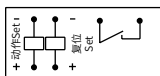


两组常开 2-pole NO

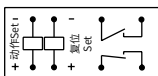


一组常开一组常闭 1 pole NO/NC

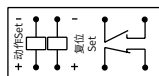
双线圈双稳态 (标准极性) Dual Coils latching bistable(Default Polarity)



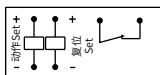
一组常开 1 pole NO



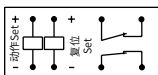
两组常开 2-pole NO



一组常开一组常闭 1 pole NO/NC

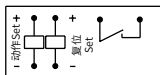


一组常闭 1 pole NC

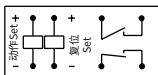


两组常闭 2-pole NC

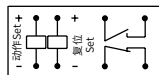
双线圈双稳态 (反向极性) Dual Coils latching bistable(Reversed Polarity)



一组常开 1 pole NO



两组常开 2-pole NO

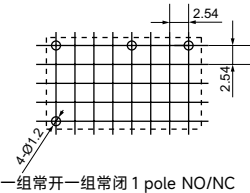


一组常开一组常闭 1 pole NO/NC

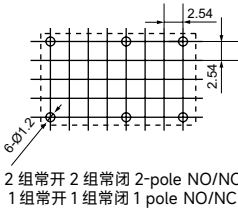
安装孔尺寸 PCB LAYOUT

单位 Unit: mm

单稳态、单线圈双稳态安装孔尺寸 Monostable, single coil latching bistable PCB layout

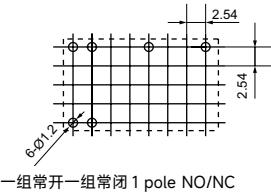


一组常开一组常闭 1 pole NO/NC

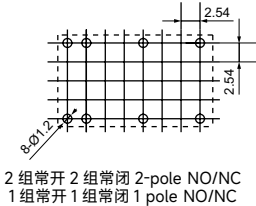


2 组常开 2 组常闭 2-pole NO/NC
1 组常开 1 组常闭 1 pole NO/NC

双线圈双稳态安装孔尺寸 Dual Coils latching bistable PCB layout



一组常开一组常闭 1 pole NO/NC



2 组常开 2 组常闭 2-pole NO/NC
1 组常开 1 组常闭 1 pole NO/NC

备注 Notes:

- 1) 产品部分外形尺寸未注尺寸公差，当外形尺寸 $\leq 1\text{mm}$ ，公差为 $\pm 0.2\text{mm}$ ；当外形尺寸在 $1\sim 5\text{mm}$ 之间时，公差为 $\pm 0.3\text{mm}$ ；当外形尺寸 $> 5\text{mm}$ 时，公差为 $\pm 0.4\text{mm}$ 。
In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$;
- 2) 安装孔尺寸中未注尺寸公差的均为 $\pm 0.1\text{mm}$ 。
The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

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继电器综合样本

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