

## Magnetic Maintenance Relay Sseies 磁保持继电器系列--JY3FL

### FEATURES特点

- 超小型大功率磁保持继电器  
Subminiature high power latching relay
- 低线圈功耗 Low coil power  
单线圈磁保持: 约0.4W 1 coil latching: approx. 0.4W  
双线圈磁保持: 约0.8W 2 coils latching: approx. 0.8W
- 15A触点切换能力 15A switching capability
- 具有一组常开、一组转换触点形式  
1 Form A and 1 Form C configurations
- 超小型、标准印制板引出脚  
Subminiature, standard PCB layout
- 塑封型和防焊剂型可供选择  
Plasticsealed and flux proofed types available



### CONTACT PARAMETERS触点参数

Contact Form触点形式	A-1组常开, C-1组转换
Rating Load (Resistive) 额定负载 (阻性)	10A 277VAC
Max. Switching Current最大切换电流	10A/15A
Max. Switching Voltage最大切换电压	277VAC/30VDC
Max. Switching Power最大切换功率	2770W

### CHARACTERISTICS性能参数

Contact Materials触点材料	Ag Alloy银合金	
Contact Resistance接触电阻	100mΩ Max	
Operate Time吸合时间	10ms. Max	
Release Time释放时间	10ms. Max	
Insulation Resistance绝缘电阻	100MΩ Min. (DC500V)	
Initial Dielectric Strength介质耐压	between open contacts: 触点与触点间:	AC 750 V, 50/60Hz 1Min
	between contacts and coil: 触点与线圈间:	AC 2000 V, 50/60Hz 1Min
Vibration Resistance抗振动	Damage limits: 耐久:	10~55Hz Double Amplitude双振幅1.5mm
	Malfunction: 误动作:	10~55Hz Double Amplitude双振幅1.5mm
Shock Resistance抗冲击	Damage limits: 耐久:	G Min
	Malfunction: 误动作:	100G Min
Life寿命	Mechanical Life (10800 per hour) 机械寿命 (每小时10800次)	1 × 10 <sup>7</sup>
	Electrical Life (600 per hour) 电气寿命 (每小时600次)	1 × 10 <sup>3</sup>
Ambient Temperature环境温度	-40 °C ~ +85 °C (No condensation) (不冷凝)	
Unit Weight单位重量	约Approx. 9.0g	

### COIL RATINGS (at 23°C) 线圈参数 (在23°C)

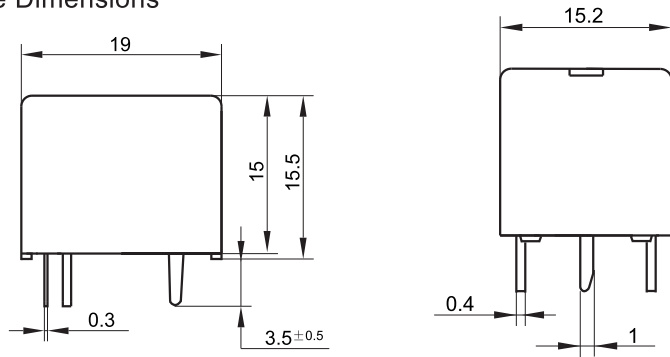
Coil Nominal Voltage 额定电压 (VDC)	Set Voltage 动作电压 (VDC)	Reset Voltage 复归电压 (VDC)	Pulse Width 脉冲宽度 ms	Max. Voltage 最大电压 (VDC)	Coil Resistance 线圈电阻 Ω	Rated power 额定功率
5	≤4.0	≤4.0	≥100	7.5	62.5 x (1±10%)	About 0.4W 约0.4W
6	≤4.8	≤4.8	≥100	9	90 x (1±10%)	
9	≤7.2	≤7.2	≥100	13.5	202.5 x (1±10%)	
12	≤9.6	≤9.6	≥100	18	360 x (1±10%)	
24	≤19.2	≤19.2	≥100	36	1440 x (1±10%)	
48	≤38.4	≤38.4	≥100	72	5760 x (1±10%)	About 0.8W 约0.8W
5	≤4.0	≤4.0	≥100	7.5	31.5 x (1±10%)	
6	≤4.8	≤4.8	≥100	9	45 x (1±10%)	
9	≤7.2	≤7.2	≥100	13.5	101.5 x (1±10%)	
12	≤9.6	≤9.6	≥100	18	180 x (1±10%)	
24	≤19.2	≤19.2	≥100	36	720 x (1±10%)	About 0.8W 约0.8W
48	≤38.4	≤38.4	≥100	72	2880 x (1±10%)	

### ORDERING INFORMATION订货标记

JY3FL-S-DC12V-A-L1-R-(XXX) 1 2 3 4 5 6 7	
1. Model Number基本型号 JY3FL 2. Encapsulation form:S-Plastic Sealed SH:Flux proofed 封装形式: S-塑封型 SH-防焊剂型 3. Coil Voltage线圈规格 (VDC): DC5V, DC6V, DC9V, DC12V, DC24V, DC48V 4. Contact form: single-1 Form A, single-1 Form C 触点形式: 单继电器1组常开, 单继电器1组转换	5. Coil Type:L1-Single coil magnetic hold; L2-Double coil magnetic hold 线圈类型:L1-单线圈磁保持; L2-双线圈磁保持 6. Polarity Characteristics: R-Reverse Polarity(Such as wiring diagram); NO-Standard polarity(Such as wiring diagram) 极性特点: R-反极性(如接线图); 无-标准极性(如接线图) 7. Customer Special Code:XXX-Customer Special Requirements No - Standard Type 客户特性号:XXX-客户特殊要求, 无-标准型

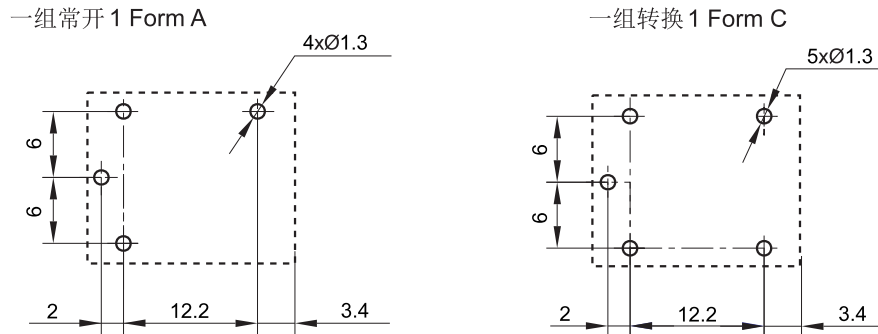
OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 (单位: mm)

外形图  
Outline Dimensions

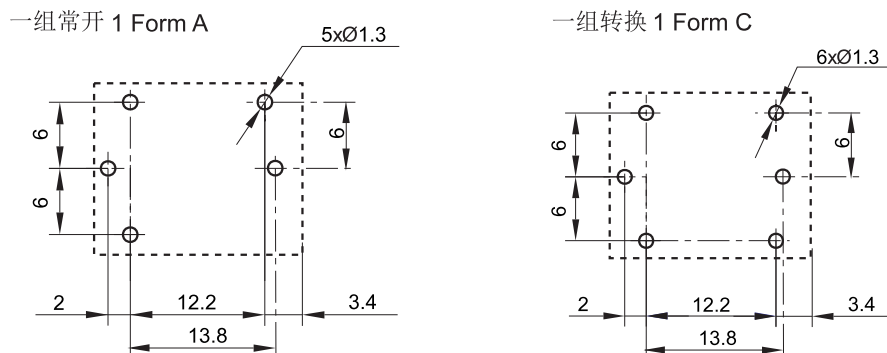


安装孔尺寸 (底视图)  
PCB Layout (Bottom view)

单线圈磁保持  
1 coil latching

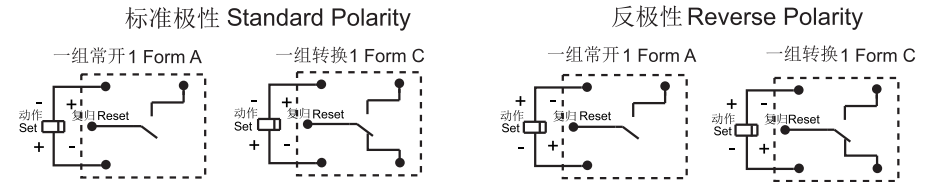


双线圈磁保持  
2 coils latching

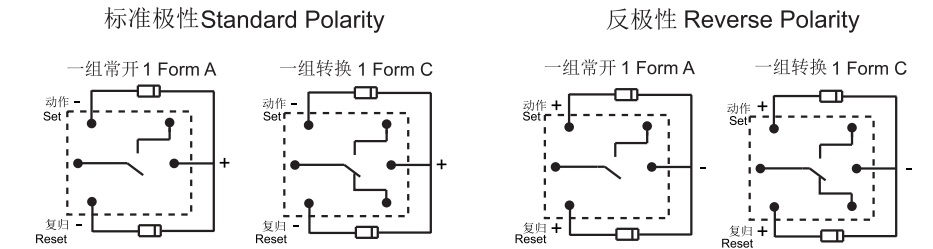


接线图 (底视图)  
Wiring Diagram (Bottom view)

单线圈磁保持  
1 coil latching



双线圈磁保持  
2 coils latching



TYPICAL USE 典型用途

- Car door lock motor control, Home appliances, Office equipment, Automatic burglar alarm and so on.
- 汽车门锁马达控制, 家电, 办公设备, 自动防盗报警器等。

PERFORMANCE CHART 性能曲线图