



## Magnetic Maintenance Relay Sseies 磁保持继电器系列 --JY09EC

## FEATURES特点

- Small size, 100A/120A contact switching capability  
100A/120A
- Small coil power consumption ,Largely reduce the temperature increment  
线圈功耗小, 温升极低
- Small contact resistance, good electrical contact stability  
接触电阻小, 电接触稳定性能好;
- Strong shock resistance and vibration resistance  
抗冲击、抗振动能能力强;
- Overall dimensions(52X43X21)mm  
外形尺寸: 52×43×21mm



## CONTACT DATA 主要技术参数

Contact Form 触点形式	1A 1B
Contact Material 触点材料	AgSO <sub>2</sub>
Contact Resistance 接触电阻	1.0mΩ
6VDC 1A	
Rated Load 触点负载	100A 250VAC/120A 250VAC
Max.Switching Current 最大切换电流	100A
Max.Switching Voltage 最大切换电压	250VAC
Max.Switching Power 最大切换功率	25000VA/30000VA
The durability of electricity 机械寿命	5×10 <sup>5</sup>
Mechanical durability 电气寿命	1×10 <sup>4</sup>
Pick-up Time 动作时间	≤20ms
Release Time 回复时间	≤20ms
Coil Power 线圈功率	Single coil: 2.3W Double coil: 4.6W 单线圈: 2.3W 双线圈: 4.6W
Insulation (Coil & Contacts) 触点与线圈耐压	4000VAC 1min
Insulation (Between Contacts) 触点间耐压	2000VAC 1min
Insulation Resistance 绝缘电阻	≥1000mΩ
Ambient Temperature 环境温度	-40° C~+70° C
Shock Strength 抗冲击强度	980m/S <sup>2</sup>
Shock Stability 抗冲击稳定性	98M/S <sup>2</sup>
humidity 湿度	95%RH.40
Installation mode 安装方式	Momentary Connection 快速连接
weight 重量	75g

## SAMPLE ORDER 订货示例

<u>JY09EC</u> — <u>F</u> — <u>1</u> <u>12</u> <u>D</u> <u>B</u> 1 2 3 4 5 6	
Relay Type: JY09EC	JY09EC
Sealed type: F- dustproof type, S- plastic encapsulated type	密封型: F-防尘型, S-塑封型
Contact group number: 1 represents 1 groups of contacts, 2 represents 2 sets of contacts	触点组数: 1代表1组触点, 2代表2组触点
Coil Voltage: 09-9VDC, 12-12VDC	线圈电压: 09代表9VDC, 12代表13VDC
Coil form: no indication of a group of coils, D represents two sets of coils	线圈形式: 无表示一组线圈, D表示两组线圈
Contact form: M stands for normally open contact, does not represent conversion, B stands for normally closed	触点形式: M代表常开触点, 没有代表转换, B代表常闭

**Coil Data (at 23°C) 线圈参数 (at 23 °C)**

Model 型号规格	Rated Voltage VDC 额定电压 VDC	Coil Resistance $\Omega \pm 10\%$ 线圈电阻 ( $\Omega \pm 10\%$ )	Max.Pull-in Voltage $\leq VDC$ 吸合电压最大 VDC	Min.Release Voltage $\geq VDC$ 释放电压最小 VDC	Coil Power 线圈功率W
9V	9	35	6.75	6.75	2.3
12V	12	63	9	9	
24V	24	250	18	18	
48V	48	1000	36	36	
9V	9	2×17.5	6.75	6.75	4.6
12V	12	2×31	9	9	
24V	24	2×125	18	18	
48V	48	2×500	36	36	

**Overalland Mounting Dimensions 外形及安装图**

