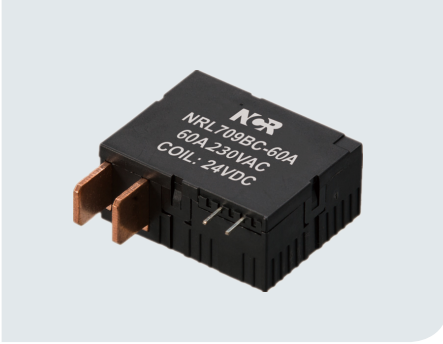


## NRL709BC 磁保持继电器 /Magnetic Latching Relay



## ◆ 特点 Characteristic

- > 体积小，60A触点切换能力；
  - > 线圈功耗小，温升极低；
  - > 触点接触电阻小，电接触稳定性好；
  - > 外形尺寸：38×30×17mm
- 
- > Small size,60A switching capability.
  - > Low coil consumption,ultra-low temperature rise.
  - > Low contact resistance.
  - > Outline size: 38×30×17mm.

## ◆ 订货标记 Ordering Information

|     |       |   |    |   |   |   |    |   |                         |   |
|-----|-------|---|----|---|---|---|----|---|-------------------------|---|
| NRL | 709BC | - | 12 | - | S | - | 60 | ① | 磁保持继电器代号 Latching Relay |   |
| ①   | ②     | ③ | ④  | ⑤ |   |   |    |   | ②                       | 产品型号 Part Number                                  |
|     |       |   |    |   |   |   |    |   | ③                       | 线圈电压 Coil Voltage                                 |
|     |       |   |    |   |   |   |    |   | ④                       | D 表示双线圈，S 表示单线圈<br>D= Double Coil; S= Single Coil |
|     |       |   |    |   |   |   |    |   | ⑤                       | 60=60A  |

## ◆ 性能 Characteristics

|                                |                                   |                     |
|--------------------------------|-----------------------------------|---------------------|
| 绝缘电阻 Insulation resistance     |                                   | 1000MΩ (500VDC)     |
| 介质耐压<br>Dielectric<br>Strength | 触点与线圈间<br>Between Coil & Contacts | 4000VAC 1min        |
|                                | 断开触点间<br>Between Open Contacts    | 2000VAC 1min        |
| 闭合时间 Operate Time              |                                   | 20msec. Max.        |
| 断开时间 Release Time              |                                   | 20msec. Max.        |
| 抗冲击<br>Shock<br>resistance     | 稳定性 Functional                    | 98m/S <sup>2</sup>  |
|                                | 强度 Destructive                    | 980m/S <sup>2</sup> |
| 振动 Vibration resistance        |                                   | 10~55Hz 1.5mm       |
| 湿度 Humidity                    |                                   | 5%-85%RH            |
| 温度范围 Ambient temperature       |                                   | -40~+85°C           |
| 引出端方式 Termination              |                                   | PCB                 |
| 重量 Unit weight                 |                                   | 42g                 |
| 封装形式 Constrution               |                                   | 防尘罩 Dust protected  |

## NRL709BC 磁保持继电器 /Magnetic Latching Relay

### ◆ 触点参数 Contact Data

|                             |                    |
|-----------------------------|--------------------|
| 触点形式 Contact form           | 1A/1B              |
| 触点材料 Contact material       | AgSnO <sub>2</sub> |
| 接触电阻 Contact resistance     | Max: 2.0mΩ         |
| 触点负载 Contact Rating         | 60A 230VAC         |
| 最大转换功率 Max. Switching Power | 13800VA            |
| 机械寿命 Mechanical life        | 1×10 <sup>5</sup>  |
| 电气寿命 Electrical life        | 1×10 <sup>4</sup>  |

### ◆ 线圈 Coil

|                 |  |
|-----------------|--|
| 线圈功耗 Coil power | 单线圈: 1.0W 双线圈: 2.0W<br>Single coil: 1.0W Double coil: 2.0W |
|-----------------|--|

### ◆ 线圈参数 Coil Data

| 额定电压 (VDC)<br>Rated Voltage | 动作电压 (VDC)<br>Pick-up voltage | 脉冲宽度 (ms)<br>Pulse Duration | 线圈电阻 (Ω)<br>Coil Resistance |
|-----------------------------|-------------------------------|-----------------------------|-----------------------------|
| 单线圈 Single coil             |                               |                             |                             |
| 6                           | 4.5                           | 50                          | 36±10%                      |
| 9                           | 6.8                           | 50                          | 81±10%                      |
| 12                          | 9                             | 50                          | 144±10%                     |
| 24                          | 18                            | 50                          | 576±10%                     |
| 双线圈 Double coil             |                               |                             |                             |
| 6                           | 4.5                           | 50                          | 2×18±10%                    |
| 9                           | 6.8                           | 50                          | 2×40.5±10%                  |
| 12                          | 9                             | 50                          | 2×72±10%                    |
| 24                          | 18                            | 50                          | 2×288±10%                   |

备注：如需其它额定电压，可特殊定货。

Note: Special ordering for other coil voltage.

### ◆ 典型应用 Typical Application

1) 主要用于 IC 卡预付费电表，集中抄表系统；

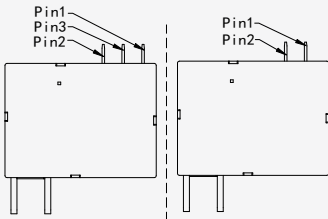
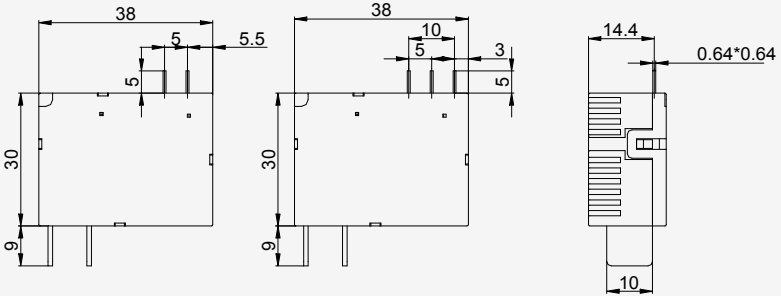
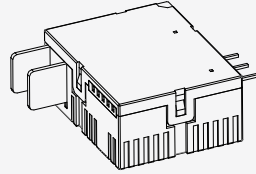
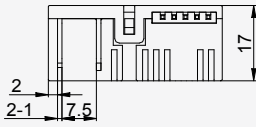
Prepayment Energy Meter; AMR System;

2) 也用于家电和自动控制装置。

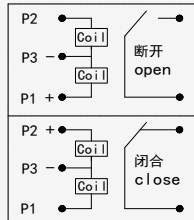
Electrical Telecommunication, Auto Controlling.

## NRL709BC 磁保持继电器 /Magnetic Latching Relay

## ◆ 尺寸图 Dimensions(mm)/ 接线图 Circuit Diagram



双线圈 Double coil



单线圈 Single coil

