

**NRL709BHT 磁保持继电器 /Magnetic Latching Relay**



◆ **特点 Characteristic**

- > 90A 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；
- > 抗冲击、抗振动能力强；
- > 外形尺寸：38x30x17mm
- > 可根据客户要求焊接锰铜分流器和连接铜线。
- > 90A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 38x30x17mm
- > Customized terminals like shunt, braided Cu-wire etc.

◆ **订货标记 Ordering Information**

|     |        |    |   |   |   |    |   |   |
|-----|--------|----|---|---|---|----|---|---|
| NRL | 709BHT | 09 | - | S | - | 90 | 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 | 90=90A  |

◆ **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              |                                   | 10msec. Max.                |
| 断开时间 Release Time              |                                   | 10msec. Max.                |
| 抗冲击<br>Shock<br>resistance     | 稳定性 Functional                    | 100m/S <sup>2</sup> (10g)   |
|                                | 强度 Destructive                    | 1000m/S <sup>2</sup> (100g) |
| 振动 Vibration resistance        |                                   | 10~55Hz 1.5mm               |
| 湿度 Humidity                    |                                   | 95%RH ,40°C                 |
| 温度范围 Ambient temperature       |                                   | -40~ +70°C                  |
| 引出端方式 Termination              |                                   | 快连接式 Fast connection        |
| 重量 Unit weight                 |                                   | 50g                         |
| 封装形式 Constrution               |                                   | 防尘罩 Dust protected          |

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## ◆ 触点参数 Contact Data

|                             |                   |
|-----------------------------|-------------------|
| 触点形式 Contact form           | 1A/1B             |
| 触点材料 Contact material       | AgSnO2            |
| 接触电阻 Contact resistance     | Max.: 1.0mΩ       |
| 触点负载 Contact Rating         | 90A 250VAC        |
| 最大转换功率 Max. Switching Power | 22500VA           |
| 机械寿命 Mechanical life        | 1×10 <sup>6</sup> |
| 电气寿命 Electrical life        | 1×10 <sup>4</sup> |

## ◆ 线圈 Coil

|                 |  |
|-----------------|--|
| 线圈功耗 Coil power | 单线圈 : 1.5W 双线圈 : 3.0W<br>Single coil: 1.5W Double coil: 3.0W |
|-----------------|--|

## ◆ 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             |                               |                             |                             |
| 9                           | 6.8                           | 50                          | 54±10%                      |
| 12                          | 9                             | 50                          | 96±10%                      |
| 24                          | 18                            | 50                          | 384±10%                     |
| 48                          | 36                            | 50                          | 1536±10%                    |
| 双线圈 Double coil             |                               |                             |                             |
| 9                           | 6.8                           | 50                          | 2x27±10%                    |
| 12                          | 9                             | 50                          | 2x48±10%                    |
| 24                          | 18                            | 50                          | 2x192±10%                   |
| 48                          | 36                            | 50                          | 2x768±10%                   |

备注：如需其它额定电压，可特殊定货。

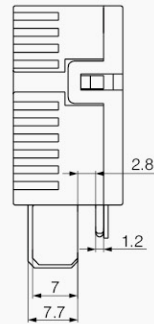
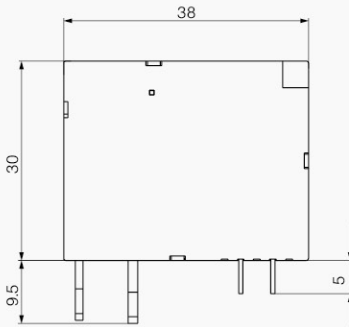
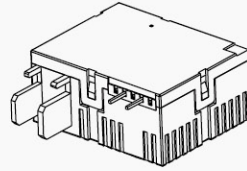
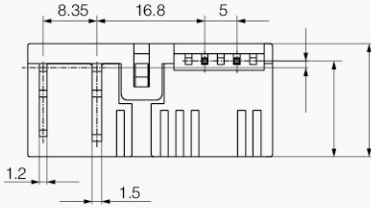
Note: Special ordering for other coil voltage.

## ◆ 典型应用 Typical Application

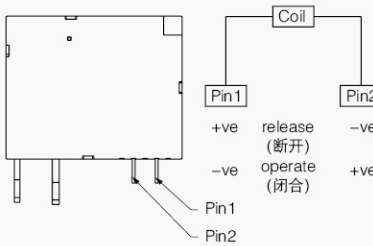
1) 主要用于 IC 卡预付电表，集中抄表系统；  
Prepayment Energy Meter; AMR System;

2) 也用于复合开关、家电和自动控制装置。  
Compound Switch; Automatic Control System.

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单线圈 Single Coil



双线圈 Double Coil

