

## NRL709B 磁保持继电器 /Magnetic Latching Relay



## ◆ 特点 Characteristic

- > 体积小，60/80A 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：38.0x33.0x17.0mm；
- > 可根据客户要求焊接分流器和连接铜线。
- > Small size, 60/80A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 38.0x33.0x17.0mm.
- > Customized terminals like shunt, braided Cu-wire etc.

## ◆ 订货标记 Ordering Information

NRL	709B	-	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 D= Double Coil; S= Single Coil
									⑤	60 表示 60A, 80 表示 80A 60=60A; 80=80A

## ◆ 性能 Characteristics

绝缘电阻 Insulation resistance		1000MΩ (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	1500VAC 1min
闭合时间 Operate Time		20msec. Max.
断开时间 Release Time		20msec. Max.
抗冲击 Shock 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		98%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		45g
封装形式 Consturion		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.: 2.0/1.5 mΩ
触点负载 Contact Rating	60/80A 250VAC
最大转换功率 Max. Switching Power	15000VA/20000VA
机械寿命 Mechanical life	5×10 <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 : 1.5W 双线圈 : 3.0W Single coil: 1.5W Double coil: 3.0W
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**◆ 线圈参数 Coil Data**

额定电压 (VDC) Rated Voltage	动作电压 (VDC) Pick-up voltage	脉冲宽度 (ms) Pulse Duration	线圈电阻 (Ω) Coil Resistance
单线圈 Single coil			
9	6.75	50	54±10%
12	9	50	96±10%
24	18	50	384±10%
48	36	50	1536±10%
双线圈 Double coil			
9	6.75	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。

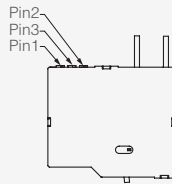
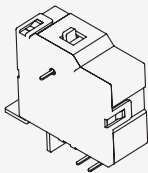
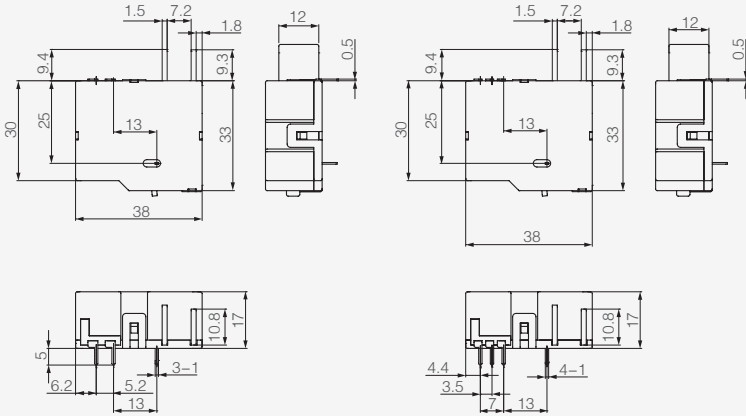
Note: Special ordering for other coil voltage.

**◆ 典型应用 Typical Application**

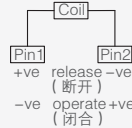
- 1) 主要用于 IC 卡预付费电表，集中抄表系统；  
Prepayment Energy Meter; AMR System;
- 2) 也用于复合开关、家电和自动控制装置。  
Compound Switch; Automatic Control System.

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



单线圈 Single coil



双线圈 Double coil

