

NRL709BC 磁保持继电器 /Magnetic Latching Relay



◆ 特点 Characteristic

- > 体积小, 80A/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;
- > 外形尺寸: 38×30×17mm
- > 符合 IEC62055-31 UC3 标准;
- > Small size,80A/90A switching capability.
- > Low coil consumption,ultra-low temperature rise.
- > Low contact resistance.
- > Outline size: 38×30×17mm.
- > IEC62055-31 UC3 Compliant.

◆ 订货标记 Ordering Information

NRL	709BC	-	12	-	S	-	80	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	80=80A; 90=90A

◆ 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	2000VAC 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	98m/S ²
	强度 Destructive	980m/S ²
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

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◆ 触点参数 Contact Data

触点形式 Contact form	1A/1B
触点材料 Contact material	AgSnO ₂
接触电阻 Contact resistance	80A/90A: Max: 1.0mΩ
触点负载 Contact Rating	80A 230VAC / 90A 230VAC
最大转换功率 Max. Switching Power	18400VA / 20700VA
机械寿命 Mechanical life	1×10 ⁵
电气寿命 Electrical life	1×10 ⁴

◆ 线圈 Coil

线圈功耗 Coil power	80A/90A: 单线圈: 1.5W 双线圈: 3.0W 80A/90A: 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			
6	4.5	50	24±10%
9	6.8	50	54±10%
12	9	50	96±10%
24	18	50	384±10%
双线圈 Double coil			
6	4.5	50	2×12±10%
9	6.8	50	2×27±10%
12	9	50	2×48±10%
24	18	50	2×192±10%

备注：如需其它额定电压，可特殊订货。

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.

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

