

NRL709BC 磁保持继电器 /Magnetic Latching Relay



◆ **特点 Characteristic**

- > 体积小, 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;
- > 外形尺寸: 38x30x17mm
- > 符合 IEC62055-31 UC3 标准;
- > Small size,80A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Outline size:38x30x17mm.
- > IEC62055-31 UC3 Compliant.

◆ **订货标记 Ordering Information**

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

◆ **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	100m/S ² (10g)
	强度 Destructive	1000m/S ² (100g)
振动 Vibration resistance		10~55Hz 1.5mm
湿度 Humidity		98%RH ,40°C
温度范围 Ambient temperature		-40~ +55°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	AgSnO2
接触电阻 Contact resistance	Max.:1.2mΩ
触点负载 Contact Rating	80A 250VAC
最大转换功率 Max. Switching Power	20000VA
机械寿命 Mechanical life	5×10^6
电气寿命 Electrical life	1×10^4

◆ 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	$54 \pm 10\%$
12	9	50	$96 \pm 10\%$
24	18	50	$384 \pm 10\%$
48	36	50	$1536 \pm 10\%$
双线圈 Double coil			
9	6.75	50	$2 \times 27 \pm 10\%$
12	9	50	$2 \times 48 \pm 10\%$
24	18	50	$2 \times 192 \pm 10\%$
48	36	50	$2 \times 768 \pm 10\%$

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;

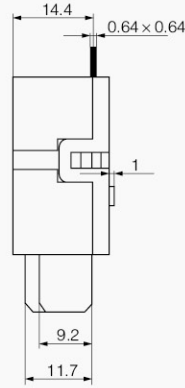
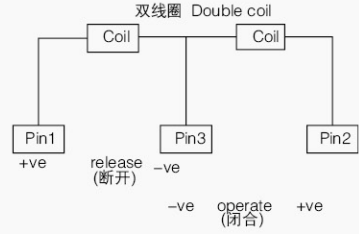
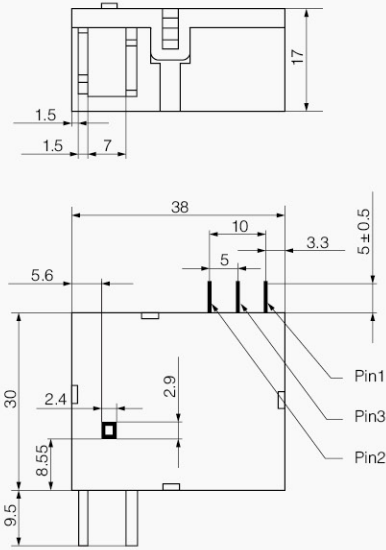
2) 也用于家电和自动控制装置。

Electrical Telecommunication, Auto Controlling.

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

NEL709BC-WX1



NEL709BC-WX2

