

NRL709BC-80A/90A 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;
- > 抗冲击、抗振动能力强;
- > 外形尺寸: 38.0x30.0x17.0mm.
- > Small size,80A/90A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size:38.0x30.0x17.0mm.

◆ 订货标记 Ordering Information

NRL	709BC-	12	-	WX1	S	90	①	磁保持继电器代号 Latching Relay
①	②	③	④	⑤	⑥		②	产品型号 Part Number
							③	线圈电压 Coil Voltage
							④	Type:WX1 / Type:WX2
							⑤	D= Double Coil / S= Single Coil
							⑥	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	2500VAC 1min
	断开触点间 Between Open Contacts	1500VAC 1min
闭合时间 Operate Time		15msec. Max.
断开时间 Release Time		15msec. 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~ +55°C
引出端方式 Termination		PCB
重量 Unit weight		42g
封装形式 Construction		防尘罩 Dust protected

## NRL709BC-80A/90A 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	AgSnO2
接触电阻 Contact resistance	Max.: 1.0 mΩ
触点负载 Contact Rating	80A 250VAC / 90A 250VAC
最大转换功率 Max. Switching Power	20000VA / 22500VA
机械寿命 Mechanical life	$5 \times 10^6$
电气寿命 Electrical life	$1 \times 10^4$

## ◆ 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
-----------------	--

## ◆ 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.

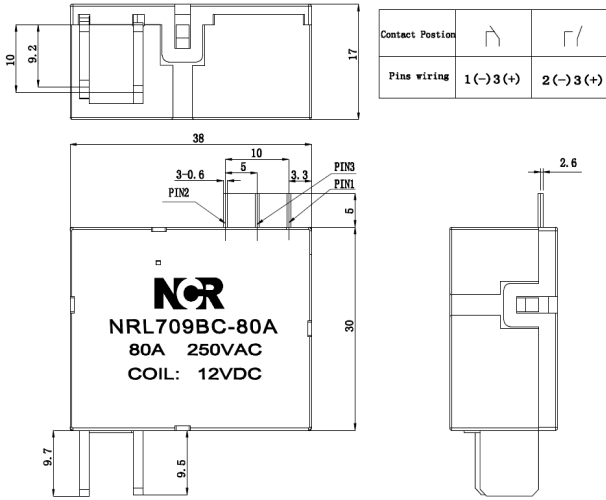
## ◆ 典型应用 Typical Application

- 1) 主要用于 IC 卡预付费电表，集中抄表系统；  
Prepayment Energy Meters/Water Meters/Gas Meters
- 2) 也用于复合开关、家电和自动控制装置。  
Electrical Telecommunication, Auto Controlling

NRL709BC-80A/90A 磁保持继电器/Magnetic Latching Relay

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

NRL709BC-WX1:



NRL709BC-WX2:

