

NRL709L 磁保持继电器 /Magnetic Latching Relay



◆ 特点 Characteristic

- > 3x80A 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：93×42×19.5mm；
- > 可根据客户要求增加辅助触点。
- > 3x80A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 93×42×19.5mm.
- > Additional auxiliary contact on request.

◆ 订货标记 Ordering Information

NRL	709L	-	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

◆ 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		30msec. Max.
断开时间 Release Time		30msec. 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℃
温度范围 Ambient temperature		-40~ +70℃
引出端方式 Termination		快连接式 Fast connection
重量 Unit weight		250g
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	3A/3B
触点材料 Contact material	AgSnO2
接触电阻 Contact resistance	Max: 1.5mΩ
触点负载 Contact Rating	3x80A 250VAC
最大转换功率 Max. Switching Power	20000VA
机械寿命 Mechanical life	5×10 ⁵
电气寿命 Electrical life	1×10 ⁴

◆ 线圈 Coil

线圈功耗 Coil power	单线圈 : 2.5W 双线圈 :5.0W Single coil: 2.5W Double coil: 5.0W
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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	100	32.4±10%
12	9	100	57.6±10%
24	18	100	230.4±10%
48	36	100	921.6±10%
双线圈 Double coil			
9	6.75	100	2×16.2±10%
12	9	100	2×28.8±10%
24	18	100	2×115.2±10%
48	36	100	2×460.8±10%

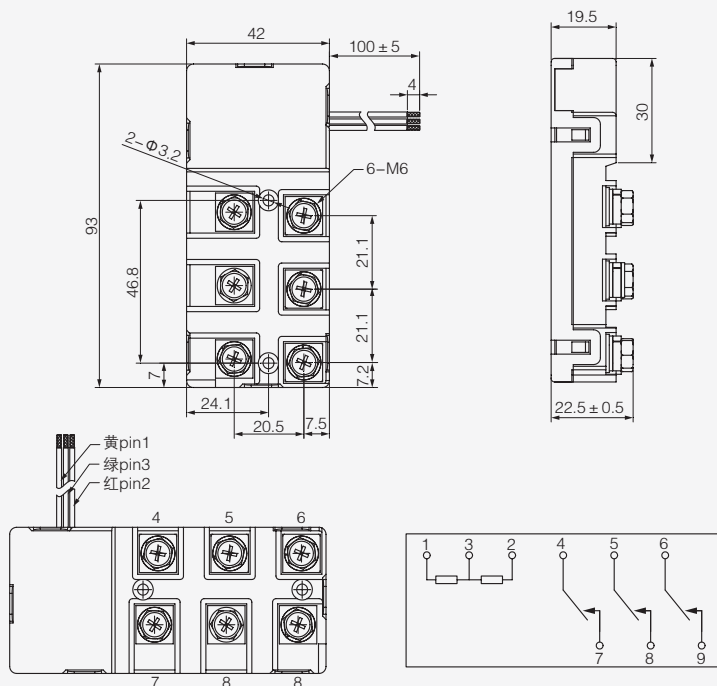
备注：如需其它额定电压，可特殊定货。
Note: Special ordering for other coil voltage.

◆ 典型应用 Typical Application

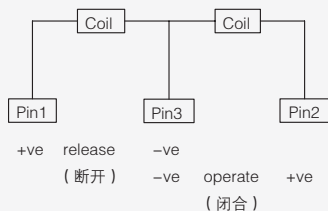
- 1) 主要用于 IC 卡预付费电表，集中抄表系统；
Prepayment Energy Meter; AMR System;
- 2) 也用于复合开关、家电和自动控制装置。
Compound Switch; Automatic Control System.

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



双线圈 Double coil



单线圈 Single coil

