

NRL709PA 磁保持继电器/Magnetic Latching Relay



◆ 特点 Characteristic

- > 200A 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：77×73.3×29.5mm.
- > 200A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 77×73.3×29.5mm.

◆ 订货标记 Ordering Information

NRL 709PA - 12 - S - 200 ① ② ③ ④ ⑤	①	磁保持继电器代号 Latching Relay
	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	200=200A

◆ 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 1 min
	触点组间耐压 Pole & Pole	4000VAC 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	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℃
引出端方式 Termination		快连接式 Fast connection
重量 Unit weight		320g
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	2A/2B
触点材料 Contact material	AgSnO2
接触电阻 Contact resistance (1A 6VDC) 测试点离外壳5mm处 (Test point within 5mm distance from the casing)	Max: 0.35mΩ
触点负载 Contact Rating	200A 250VAC
最大转换电流 Max. Switching Current	200A
最大转换电压 Max. Switching Voltage	277VAC
最大转换功率 Max. Switching Power	50000VA
机械寿命 Mechanical life	1×10 ⁵
电气寿命 Electrical life (阻性负载 Resistive)	6×10 ³

◆ 线圈 Coil

线圈功耗 Coil power	单线圈 :12.0W 双线圈 : 24.0W Single coil:12.0W Double coil: 24.0W
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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			
12	≤ 9	≥ 100	12±10%
24	≤ 18	≥ 100	48±10%
48	≤ 36	≥ 100	192±10%
双线圈 Double coil			
12	≤ 9	≥ 100	2×6±10%
24	≤ 18	≥ 100	2×24±10%
48	≤ 36	≥ 100	2×96±10%

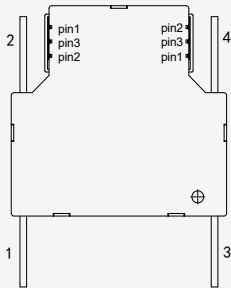
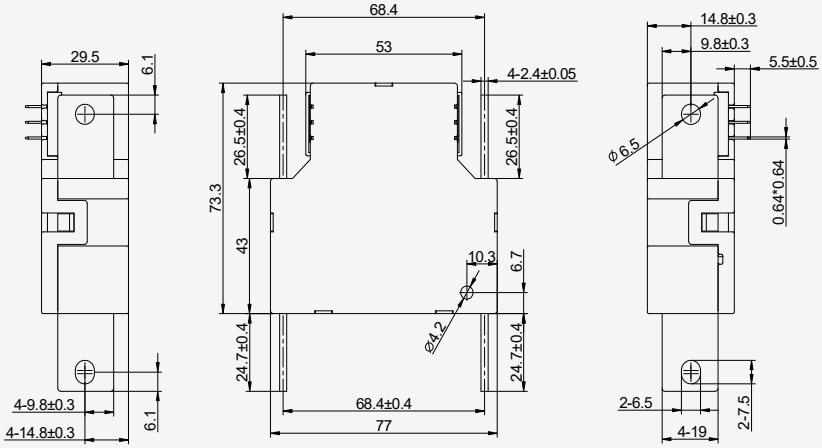
备注：如需其它额定电压，可特殊定货。
Note: Special ordering for other coil voltage.

◆ 典型应用 Typical Application

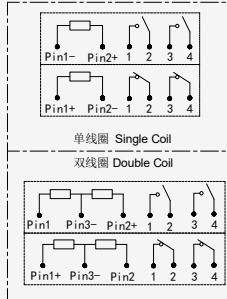
- 1) 主要用于 IC 卡预付费电表，集中抄表系统；
Prepayment Energy Meter; AMR System;
- 2) 也用于复合开关、家电和自动控制装置。
Compound Switch; Automatic Control System.

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



正极性Positive polarity



反极性Reverse polarity

