

## NRL708A 磁保持继电器/Magnetic Latching Relay

### ◆ 特点 Characteristic

- > 体积小, 16A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: 29.0x12.7x15.7mm。
- > Small size, 16A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 29.0x12.7x15.7mm.

### ◆ 订货标记 Ordering Information

①	NRL	②	708A	③	1C	④	12	⑤	S
①	磁保持继电器代号 Latching Relay								
②	产品型号 Part Number								
③	触点形式 Contact Form								
④	线圈电压 Coil Voltage								
⑤	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	1000VAC 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	98m/S <sup>2</sup>
	强度 Destructive	980m/S <sup>2</sup>
振动 Vibration resistance		10~55Hz 1.5mm
湿度 Humidity		5%~85% RH
温度范围 Ambient temperature		-40~+70°C
引出端方式 Termination		PCB
重量 Unit weight		15g
封装形式 Construction		防尘罩 Dust protected

## NRL709N 磁保持继电器 /Magnetic Latching Relay

## ◆ 触点参数 Contact Data

触点形式 Contact form	1A/1B/1C	
触点材料 Contact material	Silver Alloy	
接触电阻 Contact resistance	Max.:≤20mΩ	
触点负载 Contact Rating	1A/1B 16A 250VAC	1C 10A 250VAC
最大转换功率 Max. Switching Power	4000VA	
机械寿命 Mechanical life	1×10 <sup>6</sup>	
电气寿命 Electrical life	1×10 <sup>4</sup>	

## ◆ 线圈 Coil

线圈功耗 Coil power	单线圈 : 1.0W 双线圈 : 2.0W Single coil: 1.0W Double coil: 2.0W
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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			
5	3.75	50	25±10%
9	6.75	50	81±10%
12	9	50	144±10%
24	18	50	576±10%
48	36	50	2304±10%
双线圈 Double coil			
5	3.75	50	2x12.5±10%
9	6.75	50	2x40.5±10%
12	9	50	2x72±10%
24	18	50	2x288±10%
48	36	50	2x1150±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

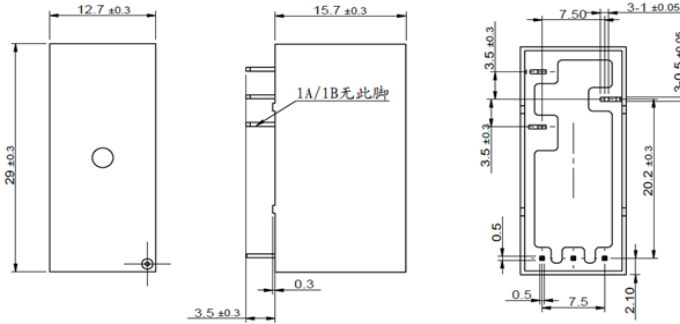
- 1) 主要用于 IC 卡预付电表，集中抄表系统；  
Prepayment Energy Meter; AMR System;
- 2) 也用于家电和自动控制装置。  
Electrial Telecommunication, Auto Controlling

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

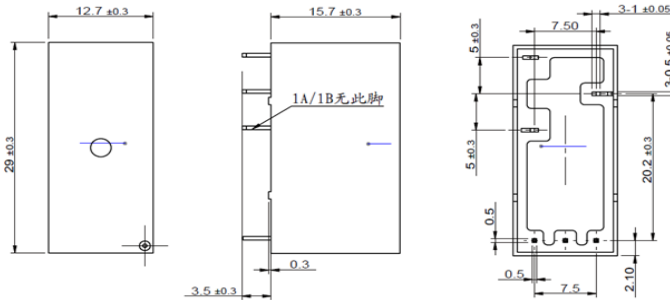
NRL708A-WX1-1C

Double coil



Double coil

NRL708A-WX2-1C



NRL708A WX1 / WX2 Standard polarity chart

