

## NRL711B 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；
- > 抗冲击、抗振动能力强；
- > 外形尺寸：100.0×45.0×21.0mm；
- > Small size, 80A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 100.0×45.0×21.0mm.

## ◆ 订货标记 Ordering Information

NRL	711B	-	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	2000VAC 1 min
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 <sup>2</sup> (10g)
	强度 Destructive	980m/S <sup>2</sup> (100g)
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		155g
封装形式 Constrution		防尘罩 Dust protected

## NRL711B 磁保持继电器/Magnetic Latching Relay

### ◆ 触点参数 Contact Data

触点形式 Contact form	3A/3B
触点材料 Contact material	AgSnO <sub>2</sub>
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	1×10 <sup>5</sup>
电气寿命 Electrical life	1×10 <sup>4</sup>

### ◆ 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
-----------------	--

### ◆ 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	100	10±10%
12	9.0	100	57.6±10%
24	18	100	230.4±10%
48	36	100	921.6±10%
双线圈 Double coil			
5	3.75	100	2×5±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。

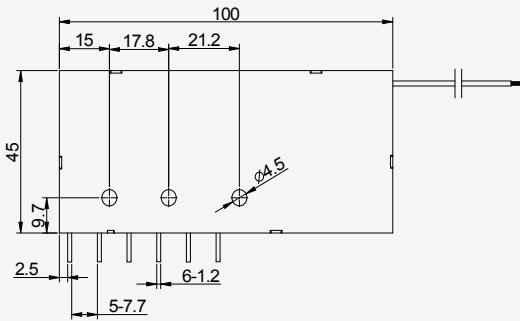
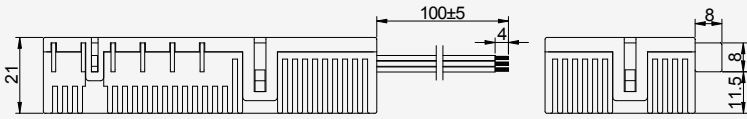
Note: Special ordering for other coil voltage.

### ◆ 典型应用 Typical Application

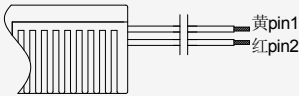
- 1) 主要用于 IC 卡预付费电表，集中抄表系统；  
Prepayment Energy Meter; AMR System;
- 2) 也用于复合开关、家电和自动控制装置。  
Compound Switch; Automatic Control System.

## NRL711B 磁保持继电器/Magnetic Latching Relay

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

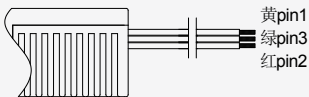


单线圈 Single coil



Contact position		
Terminal-grid	1(+) 2(-)	2(+) 1(-)

双线圈 Double coil



Contact position		
Terminal-grid	1(+) 3(-)	2(+) 3(-)