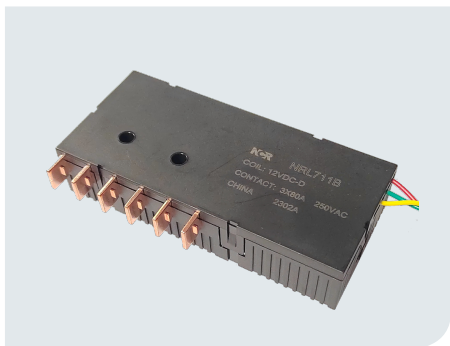


NRL711B 磁保持继电器/Magnetic Latching Relay



◆ **特点 Characteristic**

- > 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：100×45×21mm；
- > 符合IEC62055-31 UC3标准
- > 80 A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size:100×45×21mm.
- > IEC62055-31 UC3 Compliant.

◆ **订货标记 Ordering Information**

NRL	711B	-	12	-	D	-	80	①	磁保持继电器代号 Latching Relay
①	②	③	④	⑤	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
	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°C
引出端方式 Termination		快连接式 Fast connection
重量 Unit weight		160g
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 ₂
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: 1.2 mΩ
触点负载 Contact Rating	80A 250VAC
最大转换电流 Max. Switching Current	80A
最大转换电压 Max. Switching Voltage	277VAC
最大转换功率 Max. Switching Power	20000VA
机械寿命 Mechanical life	1×10 ⁵
电气寿命 Electrical life (阻性负载 Resistive)	1×10 ⁴

◆ 电耐久性 Electrical Endurance (@ rated coil voltage)

UC等级 UC Class	电压 Voltage (U _c)	电流 Current (I _c)	接通/断开时间 ON/OFF time (second)	功率因素 Power Factor	电耐久性 Electrical Endurance (ops)
UC3	250VAC	80A	10s on /20s off	COS ∅ =1 COS ∅ =0.5	5000 5000 (Total:10000)

◆ 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

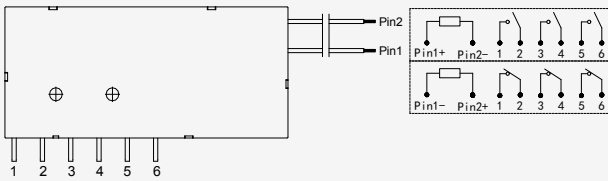
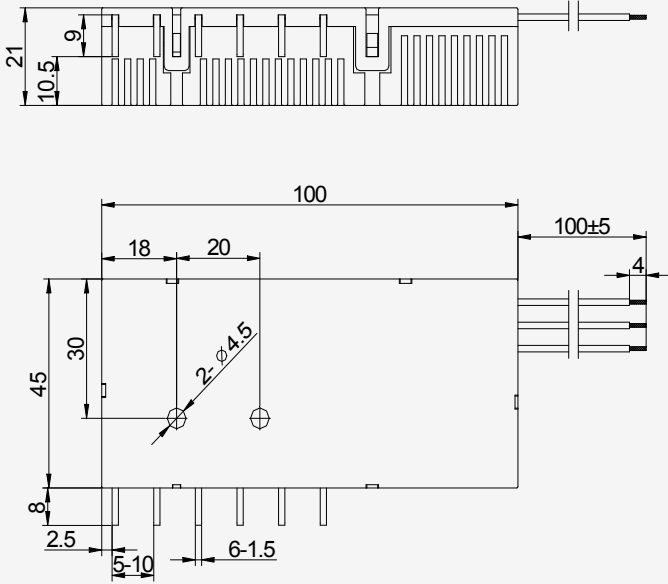
额定电压 (VDC) Rated Voltage	动作电压 (VDC) Pick-up voltage	脉冲宽度 (ms) Pulse Duration	线圈电阻 (Ω) Coil Resistance
单线圈 Single coil			
6	≤ 4.5	100~200	14.4±10%
9	≤ 6.8	100~200	32.4±10%
12	≤ 9	100~200	57.6±10%
24	≤ 18	100~200	230.4±10%
双线圈 Double coil			
6	≤ 4.5	100~200	2×7.2±10%
9	≤ 6.8	100~200	2×16.2±10%
12	≤ 9	100~200	2×28.8±10%
24	≤ 18	100~200	2×115.2±10%

备注：如需其它额定电压，可特殊定货。

Note: Special ordering for other coil voltage.

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

双线圈
Double Coil

