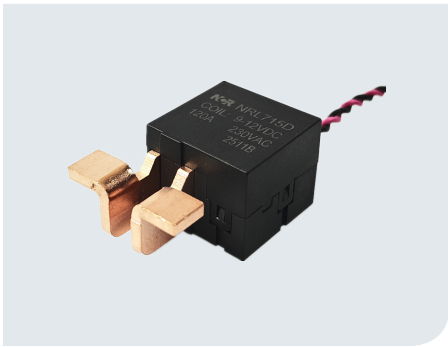


NRL715D 电机驱动继电器/Motor Latching Relay



◆ 特点 Characteristic

- > 120A触点切换能力；
- > 电机驱动，防磁能力强；
- > 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：24.0×23.5×19.9mm；
- > 符合IEC62052-31 UC3标准；
- > 120A switching capability.
- > Driven by motor with high magnetic resistant capability.
- > Low contact resistance , good and steady electrical contact
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 24.0×23.5×19.9mm.
- > IEC62052-31 UC3 Compliant.

◆ 订货标记 Ordering Information

NRL715D12-1B-120 ①②③④⑤	①	电机驱动继电器代号Latching Relay
	②	产品型号 Part Number
	③	电机电压Motor Voltage
	④	1A=1 组常开 ； 1B=1组常闭 1A= 1Form A ; 1B: 1 Form B
	⑤	90=90A; 100=100A; 120=120A

◆ 性能 Characteristics

绝缘电阻 Insulation resistance		1000MΩ (500VDC)
介质耐压 Dielectric Strength	触点与电机间 Between Motor & Contacts	4000VAC 1min
	断开触点间 Between Open Contacts	2000VAC 1min
	触点组间耐压 Pole&Pole	
闭合时间 Operate Time		100msec. Max.
断开时间 Release Time		100msec. Max.
抗冲击 Shock	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 Temination		快连接式 Fast connection
重量 Unit weight		30g
封装形式 Constrution		防尘罩 Dust protected

NRL715D 电机驱动继电器/Motor Latching Relay

◆ 触点参数 Contact Data

触点形式 Contact form	1A /1B
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 with 5mm distance from the casing)	Max: 0.6mΩ
触点负载 Contact Rating	90A 250VAC; 100A 250VAC; 120A 250VAC;
最大转换电流 Max. Switching Current	90A; 100A; 120A
最大转换电压 Max. Switching Voltage	250VAC
最大转换功率 Max. Switching Power	90A : 22500VA 100A : 25000VA 120A : 30000VA
机械寿命 Mechanical life	1×10 ⁵
电气寿命 Electrical life(Resistive)	1×10 ⁴ (COSΦ=1)

◆ 电机 Motor

电机功耗 Motor power	9VDC : 1.8W ; 12VDC : 2.5W ;
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◆ 电机参数 Motor Data

额定电压 (VDC) Rated Voltage	动作电压 (VDC) Pick-up voltage	脉冲宽度 (ms) Pulse Duration	电机电阻(Ω) Motor Resistance
9	≤ 6.8	100-200	13±15%
12	≤ 9.0	100-200	13±15%

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) 也用于复合开关、家电和自动控制装置。
Compound Switch; Automatic Control System.

电耐久性 ELECTRICAL ENDURANCE

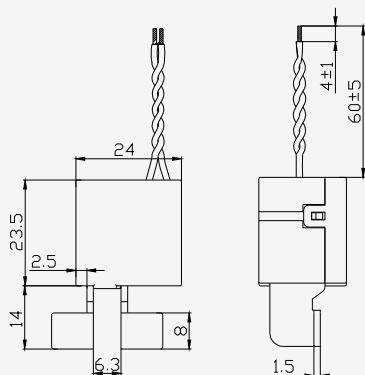
UC 等级 Class	电压 Voltage (Uc)	电流 Current (Ic)	功率因素 Power Factor	接通/断开时间 Close Open time (s)	电耐久性 Electrical endurance (ops)	
UC3	230VAC	100A	COSφ=1	10:20	5000	共 Total 10000
			COSφ=0.5		5000	

备 注： 1) 电耐久性符合IEC62052-31试验要求，阻性试验后接着做感性试验。
Notes: 1) Electrical endurance meet IEC62052-31 test requirement. do
the inductive load test after the resistive load test.

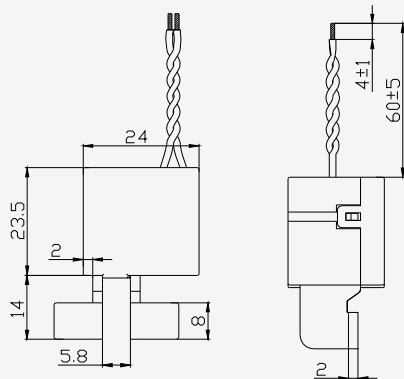
2) 线圈额定电压驱动。
2) The line is driven by rated voltage

NRL715D 电机驱动继电器/Motor Latching Relay

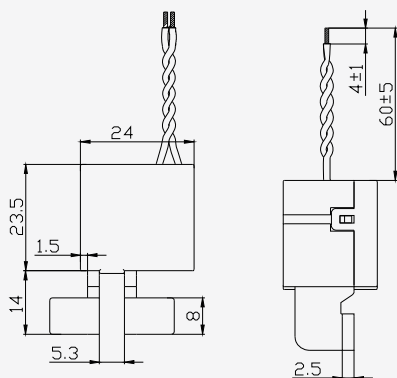
◆ 尺寸图 Dimensions(mm)/ 接线图 Circuit Diagram



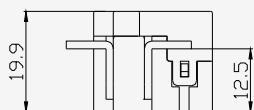
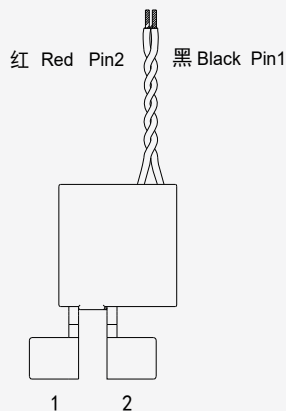
(90A 250VAC)



(100A 250VAC)



(120A 250VAC)



单线圈 Single coil

