



Miniature Latching Relay

Part No.
NRL-08E



Compact dimension 24 x 12.8 x 16.5mm
 Energy-saving, very low coil power
 Safety: No coil heating, reliable contacting
 Contacts status not change when power failure
 Standard PCB mounting pins
 Suitable for telecom, automation controller, remote device.

CONTACT

Arrangement	1A/1B/1C ; 2A/2B/2C	
Contact Material	Silver Alloy	
Contact Resistive	Max.: 50 mΩ	
Rating Resistive load(cosφ=1)		
1A/1B/1C	10A 250VAC/28VDC	
2A/2B/2C	5A 250VAC/28VDC	
Max. Switching Voltage	250VAC/110VDC	
Max. Switching Power	1A/1B/1C: 2500VA/280W	
	2A/2B/2C: 1250VA/140W	
Expected life	Mechanical	1×10 ⁵
	Electrical	1×10 ⁶

CHARACTERISTICS

Operate Time	15ms Max.	
Release Time	15ms Max.	
Initial breakdown voltage		
Between Coil & Contact	4000VAC (50/60Hz)for 1 min.	
Between Open Contacts	1000VAC (50/60Hz)for 1 min.	
Insulation Resistance	Min.100MΩ (500 VDC)	
Ambient temperature	-40 ~ +55	
Unit weight	12g	
Set Pulse Width	50ms Min	

ORDERING INFORMATION

e.g

NRL - 08E - 1C - 12D - S

Series: NCR Latching Relay

Part No. E Series

Contact arrangement:

1a= 1 normally open, 1b= 1 normally close,

1c= 1 change over; 2c= 2 change over

Coil Voltage: 3~48Vdc

Nil= Dual Coils; S= Single Coil

COIL DATA (at 20)

Rated Voltage (Vdc)	Coil Resistance(Ω) \pm 6%			Rated Coil Power (W)		Set/Reset Voltage(VDC)	Max.Allowable Voltage (VDC)
	Single Coil	Dual Coil		Single Coil	Dual Coil		
3	14	7	7	0.64	1.3	75%	200% of rated Voltage In Pulse
5	39	20	20				
6	56	28	28				
9	126	63	63				
12	225	113	113				
24	900	450	450				
48	3600	1800	1800				

DIMENSIONS

