

## Magnetic Latching Relay R114-40A-250VAC



### Part-A Product Features:

- Small and compact size;
- Very low coil power consumption and temperature rise;
- Small contact resistance, stable switching performance;
- Outstanding anti-impact and anti-vibration abilities;
- Options with single or double coils;
- PCB Mounting

### Part-B Contact Parameters

Contact Form:	<i>1A / 1B</i>
Contact Material:	<i>AgSnO<sub>2</sub></i>
Contact Resistance:	<i>Max. 2.0 mΩ</i>
Contact Rating:	<i>40A 250VAC</i>
Operating Voltage:	<i>Closing: ≤75%; Breaking: ≤75%</i>
Max. Switching Power:	<i>10,000VA</i>
Mechanical Life:	<i>5×10<sup>5</sup></i>
Electrical Life:	<i>10,000</i>

### Part-C Performance Parameters

Insulation Resistance:	<i>500MΩ (500VDC)</i>
Dielectric Strength:	Between Contact and Coil: <i>4,000VAC 1min</i> Between Opened Contacts: <i>1,000VAC 1min</i>
Operating Time:	Closing: <i>20ms Max</i> ; Breaking: <i>20ms Max</i>
Anti-impact:	Durability: <i>100m/S<sup>2</sup> (10g)</i> ; False Operation: <i>1000m/S<sup>2</sup> (100g)</i>
Anti-vibration:	<i>10~55Hz 1.5mm</i>
Ambient Temperature:	<i>-40 ~ +70 °C</i> ; Humidity: <i>98% RH 40°C</i>
Weight:	<i>40g</i>

### Part-D Coil Parameters (20°C)

Rated Voltage (VDC)	Operating Voltage (VDC)	Pulse Width (ms)	Coil Resistance (Ω) ±10%
<b>Single Coil – Power Consumption 1.0 W</b>			
9	6.75	50	81
12	9	50	144
24	18	50	576
48	36	50	2304
<b>Double Coil – Power Consumption 2.0 W</b>			
9	6.75	50	2x40.5
12	9	50	2x72
24	18	50	2x288
48	36	50	2x1152

**Note:** please ask us if other customized coil voltage is needed.

### Typical applications:

- 1). IC cards, pre-paid meters and central meter reading systems
- 2). Composite switches, home appliances and automatic controlling devices

### Part-E: Outline Dimensions:

