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: 1A / 1B
Contact Material: AgSnO2
Contact Resistance: Max. 2.0 mΩ
Contact Rating: 40A 250VAC
Operating Voltage: Closing: ≤75%; Breaking: ≤75%
Max. Switching Power: 10,000VA
Mechanical Life: 5×10^5
Electrical Life: 10,000

Part-C Performance Parameters

Insulation Resistance: 500MΩ (500VDC)
Dielectric Strength: Between Contact and Coil: 4,000VAC 1min
Between Opened Contacts: 1,000VAC 1min
Operating Time: Closing: 20ms Max; Breaking: 20ms Max
Anti-impact: Durability: 100m/S² (10g); False Operation: 1000m/S² (100g)
Anti-vibration: 10~55Hz, 1.5mm
Ambient Temperature: -40 ~+70 ℃; Humidity: 98% RH 40℃
Weight: 40g
### Part-D Coil Parameters (20°C)

<table>
<thead>
<tr>
<th>Rated Voltage (VDC)</th>
<th>Operating Voltage (VDC)</th>
<th>Pulse Width (ms)</th>
<th>Coil Resistance (Ω) ±10%</th>
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</thead>
<tbody>
<tr>
<td><strong>Single Coil</strong></td>
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<tr>
<td>9</td>
<td>6.75</td>
<td>50</td>
<td>81</td>
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<td>9</td>
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<tr>
<td><strong>Double Coil</strong></td>
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</tbody>
</table>

**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:

![Outline Dimensions Diagram]