SRD Series  SUBMINATURE HIGH POWER RELAY  7A/10A/15A

**Features**
- Miniature volume, PCB usage
- Contact rating: 7A/10A/15A
- Temperature range: +85°C/+105°C

**Ordering Information**

**SRD-12VDC-S L-C**

<table>
<thead>
<tr>
<th>Contact arrangement</th>
<th>1 A (spstno) / 1 B (spstnc) / 1 C (spdt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact resistance</td>
<td>100mΩ (1A 6VDC)</td>
</tr>
<tr>
<td>Contact material</td>
<td>Silver alloy: AgCdO, AgSnO₂, AgNi</td>
</tr>
<tr>
<td>Contact rating</td>
<td>7A/250VAC, 10A/250VAC, 15A/250VAC</td>
</tr>
<tr>
<td>Max switching voltage</td>
<td>250VAC</td>
</tr>
<tr>
<td>Max switching current</td>
<td>15A</td>
</tr>
<tr>
<td>Max switching power</td>
<td>3750VA</td>
</tr>
<tr>
<td>Electrical endurance (frequency: 1800 ops/h)</td>
<td>1x10⁹ ops / 1x10¹⁰ ops</td>
</tr>
<tr>
<td>Mechanical endurance (frequency: 18000 ops/h)</td>
<td>1x10⁹ ops</td>
</tr>
</tbody>
</table>

**Characteristics**

- Insulation system: Class B / Class F
- Insulation resistance: 100MΩ (500VDC)
- Dielectric Strength: 3600VAC 1 minute
- Leakage Current: 1mA
- Between contacts: 1000VAC 1 minute
- Between open contacts: 1000VAC 1 minute
- Operating time (under nominal voltage): ≤10ms
- Release time (under nominal voltage): ≤10ms
- Humidity: 85% RH (20°C)
- Ambient Temperature: -40°C~85°C/ -40°C~105°C
- Shock resistance: Functional 98m/s², Destructive 980m/s²
- Vibration resistance (Double amplitude): 10Hz~55Hz 1.5mm
- Weight: Approx. 9g
- Construction: Sealed

**Coil Data**

- Power dissipation: 0.36W (L), 0.45W (D)
- Voltage: 5V / 6V / 9V / 12V / 18V / 24V / 36V / 48V
- Current: 71.4mA, 60mA, 40mA, 30mA, 20mA, 15mA, 10mA, 7.5mA
- Resistance: 70Ω, 100Ω, 225Ω, 400Ω, 900Ω, 1600Ω, 3600Ω, 6400Ω
- Pick-up voltage: 75%Max, 10%Min
- Drop-out voltage: 10%Min, 130%

*Remark:* 1) All above data is initial value

This product specification only for your reference, we will not notify you if we do any improvement. We reserve all the right for the final explanation.
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Safety Approval Ratings

<table>
<thead>
<tr>
<th>CQC CQC08002027667</th>
<th>UL US E167996</th>
</tr>
</thead>
<tbody>
<tr>
<td>7A 250VAC</td>
<td>3A 125VAC inductive</td>
</tr>
<tr>
<td>10A 250VAC</td>
<td>10A 125VAC</td>
</tr>
<tr>
<td></td>
<td>15A 125VAC NO</td>
</tr>
</tbody>
</table>

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT  Unit:mm

Physical installation diagram

PCB board diagram (bottom view diagram)

Conversion C type

Normally open A type

Normally closed B type

Tolerance: ± 0.1mm

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