Contact Rating:

- Nominal Load (Resistive)
  - Max. Switching Power: 10VA.
  - Max. Switching Voltage: 100 VDC.
  - Max. Switching Current: 0.5A.
  - Max. Carrying Current: 1A.
- Contact Material: RU Alloy.
- Contact Form: SPST

Performance (at Initial Value)

- Contact Resistance: 150 mΩ Max. for 100mA, 6VDC
- Operate Time: 0.5 mSec. Max.
- Release Time: 0.5 mSec. Max.
- Dielectric Strength:
  - Between Coil & Contact: 1,000 VAC at 50/60 Hz for one minute.
  - Between Contacts: 150 VAC at 50/60 Hz for one minute.
- Insulation Resistance: 100 MΩ Minimum

Main Feature

1. Epoxy molded Dual-In-Line package.
2. Low profile, mounting space compatible with DIP IC.
3. Completely Washable.
4. Provide high speed, miniature and cost effective switching solution.

Application:

Security system, Modem and other telecommunication products.

Temperature Range:
- Operating: -40—85 ºC.
- Storage: -40—105 ºC.

Humidity Range: 45—85% RH.

Vibration Resistance: 20 g.

Shock Resistance: 100 g.

Life Expectancy:
- Electrical: 10⁸ Operations at ref. 10VDC, 10mA

Safety Standard & Its File Number:
- C-UL: E141060.
Coil Specification (at 20 °C):

<table>
<thead>
<tr>
<th>Coil Sensitivity</th>
<th>Nominal Voltage (VDC)</th>
<th>Nominal Current (mA)</th>
<th>Coil Resistance (Ω±10%)</th>
<th>Power Consumption (mW)</th>
<th>Pull-In Voltage (VDC)</th>
<th>Drop-Out Voltage (VDC)</th>
<th>Maximum Allowable Voltage (VDC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIR</td>
<td>5</td>
<td>10</td>
<td>500</td>
<td>50</td>
<td>3.75</td>
<td>0.80</td>
<td>16</td>
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<tr>
<td></td>
<td>12</td>
<td>12</td>
<td>1,000</td>
<td>144</td>
<td>8.60</td>
<td>1.50</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>12</td>
<td>2,000</td>
<td>288</td>
<td>17.50</td>
<td>2.50</td>
<td>32</td>
</tr>
</tbody>
</table>

Ordering Information:

- **DIR** - S
- **4** - 1
- **12** - A

Coil Construction:
- S – Standard
- C – Lead 2 & 13 are connected.

Lead Number:
- 4 - 4 Leads
- 8 - 8 Leads

Number of Poles:
- 1 – One Pole

Coil Voltage:
- 5VDC
- 12VDC
- 24VDC

Contact Form:
- A – One Form A

Dimension:

**DIR-S8-1XXA**

**DIR-S4-1XXA**