Relays
PROCESS CONTROL

Series 781
SPDT Ice Cube Relays
20 Amp, SPDT Operation

The Series 781 Electromechanical Ice Cube Relay is a full-featured SPDT relay that can be used to handle loads up to 20 amps for AC or DC circuits. It features a flag status indicator and a LED status lamp to let the user know when the relay is activated. In order to differentiate between AC and DC actuated models, the push-to-test button is color-coded. For testing the operation, a removable lock-down lever holds the test button in place. The clear plastic housing gives a view of the contacts, and there is a removable I.D tag for labeling the circuit.

<table>
<thead>
<tr>
<th>AC Operated</th>
<th>Input Voltage</th>
<th>Coil Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>781XAXM4L-24A</td>
<td>24 VAC 50/60 Hz</td>
<td>180 Ω</td>
</tr>
<tr>
<td>781XAXM4L-120A</td>
<td>120 VAC 50/60 Hz</td>
<td>4430 Ω</td>
</tr>
<tr>
<td>781XAXM4L-240A</td>
<td>240 VAC 50/60 Hz</td>
<td>15720 Ω</td>
</tr>
<tr>
<td>DC Operated</td>
<td>Input Voltage</td>
<td>Coil Resistance</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------</td>
<td>----------------</td>
</tr>
<tr>
<td>781XAXM4L-24D</td>
<td>24 VDC</td>
<td>750 Ω</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
Operating and Load Voltage Range: 24 to 240 VAC; 24 VDC.
Electrical Connection: Silver alloy plug-in contacts.
Switching Operation: SPDT.
Electrical Rating: 20 A @ 120 / 277 VAC (50/60Hz) or 28 VDC.
Temperature Limits:
Storage: -40 to 185°F (-40 to 85°C);
Operation: -40 to 131°F (-40 to 55°C).
Power Consumption: 0.9 VA; 0.7W.
Cycle Life: 100,000 cycles (electrical); 10,000,000 cycles (mechanical).
Housing: Plastic polycarbonate.
Weight: 1.02 oz (29 g).
Agency Approvals: CE, CSA, RoHS, UL, ULc, UR, URc.

ACCESSORY
70-781DS-1A, Socket for 781 Series Relay

Series 782
DPDT Ice Cube Relays
15 Amp, DPDT Operation

The Series 782 Electromechanical Ice Cube Relay is a full-featured DPDT relay that can be used to switch two different devices with a single trigger. With a rating of 15 amps, the relay can be used to stop and start small fans, motors, and pumps directly. It features a flag status indicator and a LED status lamp to let the user know when the relay is activated. In order to differentiate between AC and DC actuated models, the push-to-test button is color-coded. For testing the operation, a removable lock-down lever holds the test button in place. The clear plastic housing gives a view of the contacts, and there is a removable I.D tag for labeling the circuit.

<table>
<thead>
<tr>
<th>AC Operated</th>
<th>Input Voltage</th>
<th>Coil Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>782XBXM4L-24A</td>
<td>24 VAC 50/60 Hz</td>
<td>180 Ω</td>
</tr>
<tr>
<td>782XBXM4L-120A</td>
<td>120 VAC 50/60 Hz</td>
<td>4430 Ω</td>
</tr>
<tr>
<td>782XBXM4L-240A</td>
<td>240 VAC 50/60 Hz</td>
<td>15720 Ω</td>
</tr>
<tr>
<td>DC Operated</td>
<td>Input Voltage</td>
<td>Coil Resistance</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------</td>
<td>----------------</td>
</tr>
<tr>
<td>782XBXM4L-24D</td>
<td>24 VDC</td>
<td>650 Ω</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
Operating and Load Voltage Range: 24 to 240 VAC; 24 VDC.
Electrical Connection: Silver alloy plug-in contacts.
Switching Operation: DPDT.
Electrical Rating: 15 A @ 120 VAC 50/60Hz; 12 A @ 277 VAC 50/60 Hz or 28 VDC (UL); 10 A @ 277 VAC 50/60 Hz (CSA).
Temperature Limits:
Storage: -40 to 185°F (-40 to 85°C);
Operation: -40 to 131°F (-40 to 55°C).
Power Consumption: 1.2 VA; 0.9W.
Cycle Life: 100,000 cycles (electrical); 10,000,000 cycles (mechanical).
Housing: Plastic polycarbonate.
Weight: 1.3 oz (36 g).
Agency Approvals: CE, CSA, RoHS, UL, ULc, UR, URc.

ACCESSORY
70-782D8-1A, Socket for 782 Series Relay