The SW800 is designed for use in telecommunication and power distribution applications where an uninterrupted load is switched. These contactors are primarily for use with Direct Current loads but can also be used with Alternating Currents.

- **Uninterrupted current** - no or infrequent load switching requirements (maintains a lower contact resistance).

The SW800 features double breaking main contacts with silver alloy tips which are weld resistant, hard wearing and have excellent conductivity. Silver plating on the main contacts is standard for the SW800, however, optionally it can be excluded from the specification. This compact contactor can be busbar mounted vertically or horizontally, but if mounted vertically, the coil should be at the bottom. If the coil is required at the top, we can adjust the contactor to compensate for this. Optional extras include Auxiliary switches, brackets, coil finishes and magnetic latching which allows the contactor to remain closed while consuming no coil power.

### Application Overview

<table>
<thead>
<tr>
<th>Application</th>
<th>Uninterrupted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Current Rating</td>
<td>800A</td>
</tr>
<tr>
<td>Intermittent Current Rating</td>
<td></td>
</tr>
<tr>
<td>30% Duty</td>
<td>1460A</td>
</tr>
<tr>
<td>40% Duty</td>
<td>1265A</td>
</tr>
<tr>
<td>50% Duty</td>
<td>1130A</td>
</tr>
<tr>
<td>60% Duty</td>
<td>1035A</td>
</tr>
<tr>
<td>70% Duty</td>
<td>955A</td>
</tr>
</tbody>
</table>

### Coil Power Dissipation

- **Coil Voltage Available** ($U_c$): 
  - From 6 to 240V A.C./D.C.

### SW800 Contactor Performance

- **Typical Bounce Period:** 40ms
- **Drop-Out Voltage Range:** 10 - 30% $U_c$

### Auxiliary Details

- **Auxiliary Thermal Current Rating:** 5A
- **Auxiliary Contact Switching Capabilities (Resistive Load):**
  - SW800A: 2A at 48V D.C., 0.5A at 240V D.C.
  - SW800C: 2A at 24V D.C.

### Recommended Connection Sizes for Maximum Continuous Current

- **Copper busbar:** 413mm² (0.64inch²)
- **Key:** = Uninterrupted Current

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**Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application.**

- Thermal current ratings stated are dependent upon the size of conductor being used.
- For further technical advice email: technical@albrightinternational.com
- Albright reserve the right to change data without prior notice.