The SU80 is an up-rated version of the SW80 Contactor designed for Interrupted and Uninterrupted loads. It is suitable for switching Resistive, Capacitive and Inductive loads. Typical applications include, but are not limited to, electric motors, hydraulic power packs, winches, speed controllers, UPS and Power Distribution Systems.

- **Interrupted current** - opening and closing on load with frequent switching (results in increased contact resistance).
- **Uninterrupted current** - no or infrequent load switching requirements (maintains a lower contact resistance).

The SU80 features single pole double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. Economical in price they compare favourably with sealed automotive style solenoid switches which cannot be serviced or inspected for contact wear. Mounting can be vertical or horizontal, when vertical the M8 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.

---

**SU80 Contactor Performance**

<table>
<thead>
<tr>
<th>Thermal Current Rating (°C)</th>
<th>Interrupted</th>
<th>Uninterrupted</th>
</tr>
</thead>
<tbody>
<tr>
<td>SU80A</td>
<td>150A</td>
<td>200A</td>
</tr>
</tbody>
</table>

**SU80B Single Pole Single Throw Normally Open**

- **Auxiliary Contacts**
- **Current Ratings**
- **Contact Bounce Period**
- **Pull-In Time**
- **Drop-Out Voltage Range**
- **Time Constant**
- **Mechanical Durability**
- **Rated Ambient Temperature**
- **Rated Voltage Drop per Pole**
- **Rated Voltage Drop per Pole with Auxiliary**
- **Rated Voltage Drop per Pole with Diode and Resistor**
- **Rated Voltage Drop per Pole with Blowouts**
- **Rated Voltage Drop per Pole with Diode and Resistor with Blowouts**
- **Typical Voltage Drop per Pole**
- **Typical Voltage Drop per Pole with Auxiliary**
- **Typical Voltage Drop per Pole with Diode and Resistor**
- **Typical Voltage Drop per Pole with Blowouts**
- **Typical Voltage Drop per Pole with Diode and Resistor with Blowouts**
- **Auxiliary Details**
- **Auxiliary Contacts**

---

**SU80A (Auxiliary Contacts)**

**SU80B Available Options**

- **General**
- **Suffix**
- **Auxiliary Contacts**
- **Magnetic Blowouts**
- **Magnetic Blowouts - High Powered**
- **Armature Cap**
- **Mounting Brackets**
- **Closed Contact Housing**
- **Environmentally Protected IP66**
- **EE Type (Steel Shroud)**

---

**SU80 Single Pole Single Throw Normally Open**