The SW68 is a miniature series double pole contactor, free standing and compact it is designed to fill the gap between 30 amper e relays and 100 amper e contactors. Devised for both interrupted and uninterrupted loads, the SW68 is suitable for switching Resistive, Capacitive and Inductive loads. Typical applications include switching small traction motors, hydraulic power packs and small electric winch motors.

- **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).

### Application Interrupted Uninterrupted

<table>
<thead>
<tr>
<th>Current (Amps)</th>
<th>SW68 120V D.C.</th>
<th>SW68 220V D.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>80A</td>
<td>105A</td>
</tr>
<tr>
<td>300</td>
<td>120A</td>
<td>155A</td>
</tr>
<tr>
<td>400</td>
<td>150A</td>
<td>200A</td>
</tr>
</tbody>
</table>

**Rated Fault Current Breaking Capacity (on) 5ms Time Constant:**
- SW68: 400A at 48V D.C.
- SW68: 120A at 48V D.C.

**Maximum Recommended Contact Voltages (U_s):**
- Both Poles in same circuit

<table>
<thead>
<tr>
<th><strong>Coil Voltage</strong></th>
<th>SW68 96V D.C.</th>
<th>SW68 120V D.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 6 to 130V D.C.</td>
<td>7 - 10 Watts</td>
<td>5 - 7 Watts</td>
</tr>
</tbody>
</table>

**Coil Power Dissipation:**
- Highly Interrupted Rated Types: 14 - 21 Watts
- Intermittently Rated types: 10 - 14 Watts
- Prolonged Rated Types: 7 - 10 Watts
- Continuously Rated Types: 5 - 7 Watts

**Maximum Pull-In Voltage (Coil at 20˚C):**
- Highly Interrupted Rated types (Max 25% Duty Cycle): 60% U_s
- Intermittently Rated types (Max 70% Duty Cycle): 60% U_s
- Prolonged Operation (Max 90% Duty Cycle): 60% U_s
- Continuously Rated Types (100% Duty Cycle): 66% U_s

**Drop-Out Voltage Range:**
- 10 - 25% U_s

**Typical Pull-In Time:**
- 15ms

**Typical Drop-Out Time:**
- 5ms

**Contact Performance**

**Connection Diagram**

### Adverts Connection Sizes for Maximum Continuous Current

- **Copper busbar:** 52mm² (0.081inch²)
- **Cable:** Rated suitable for application

**Key:**
- Interrupted
- Uninterrupted

**Note:** Where applicable values shown are at 20°C

- 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 dependant 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.

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SW68