The SW92 has been designed for direct current loads. Developed for both interrupted and uninterruptible loads, the SW92 is suitable for switching Resistive, Capacitive and Inductive loads.

- **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 SW92 features single pole double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SW92 has M8 stud main terminals and 6.3mm spade coil connections. Mounted using supplied brackets, can be horizontal or vertical, 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.

- **Performance data provided should be used as a guide only. Some data/variation from figures may be necessary according to application.**
- **Thermal current ratings stated are dependant upon size of conductor used.**
- **For further technical advice email: technical@albrightinternational.com**
- **Albright reserve the right to change data without prior notice.**

---

**Contact Performance Key:**

<table>
<thead>
<tr>
<th>Interrupted Current</th>
<th>Uninterrupted Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (Seconds)</td>
<td>Current (Ampères)</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>100</td>
<td>900</td>
</tr>
<tr>
<td>200</td>
<td>800</td>
</tr>
<tr>
<td>300</td>
<td>700</td>
</tr>
<tr>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>500</td>
<td>500</td>
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<td>700</td>
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</tr>
<tr>
<td>800</td>
<td>200</td>
</tr>
<tr>
<td>900</td>
<td>100</td>
</tr>
</tbody>
</table>

* Figures are for guideline purposes only

---

**Auxiliary Details**

- **Auxiliary Thermal Current Rating:** 5A
- **Auxiliary Contact Switching Capabilities (Resistive Load):**
  - SW92A
    - 5A at 24V D.C.
  - SW92C
    - 2A at 48V D.C.
    - 0.5A at 240V D.C.

---

**Advised Connection Sizes for Maximum Continuous Current**

- **Copper busbar:** 80mm [0.124inch]
- **Cable:** Rated suitable for Application

---

**SW92 Available Options**

<table>
<thead>
<tr>
<th>General</th>
<th>Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary Contacts</td>
<td>○ A</td>
</tr>
<tr>
<td>Auxiliary Contacts - V3</td>
<td>○ C</td>
</tr>
<tr>
<td>Magnetic Blowouts</td>
<td>○ B</td>
</tr>
<tr>
<td>Magnetic Blowouts - High Powered</td>
<td>○ B</td>
</tr>
<tr>
<td>Armature Cap</td>
<td></td>
</tr>
<tr>
<td>Mounting Brackets (See Stud Range Catalogue)</td>
<td>●</td>
</tr>
<tr>
<td>Magnetic Latching (Not fail safe)</td>
<td>○ M</td>
</tr>
<tr>
<td>Closed Contact Housing</td>
<td>○</td>
</tr>
<tr>
<td>Environmentally Protected IP66 (see SW92P Catalogue sheet)</td>
<td>○</td>
</tr>
<tr>
<td>EE Type (Steel Shroud)</td>
<td>X</td>
</tr>
</tbody>
</table>

---

**Connections**

- **Auxiliary Contacts**
- **AC Rectifier Board (Fitted)**
- **Coil Suppression**
- **Flying Leads**
- **Manual Override Operation**
- **M4 Stud Terminals**
- **M5 Terminal Board**
- **Vacuum Impregnation**

---

**Dimensions in mm [inches]**

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**Coil Power Dissipation:**

- **(Rectifier board required for A.C.)**

---

**SW92 Available Options**

- **Typical Voltage Drop per Pole across New Contacts at 100A:**
  - SW92B
    - 48V D.C.
  - SW92B
    - 60V D.C.

---

**Auxiliary Contact Switching Capabilities (Resistive Load):**

- **SW92A**
  - SW92C

---

**Connection Diagram**

---

**Auxiliary Contact Switching Capabilities (Resistive Load):**

- **SW92A**
  - 5A at 24V D.C.
- **SW92C**
  - 2A at 48V D.C.
  - 0.5A at 240V D.C.

---

**Advised Connection Sizes for Maximum Continuous Current**

- **Copper busbar:** 80mm [0.124inch]
- **Cable:** Rated suitable for Application

---

**Key:**

- **Optional**
- **Standard**
- **Not Available**

* Conversions become polarity sensitive

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