The SW822 has been designed for Motor Reversing applications with direct current loads, particularly motors as used on electric vehicles such as industrial trucks. Developed for both interrupted and uninterrupted loads, the SW822 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 SW822 features double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SW822 has M8 stud main terminals and 6.3mm spade coil connections. Mounted using supplied brackets, mounting 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.

### SW822 Paired Double Pole Single Throw for Motor Reversing (Part of the SW80 Series)

**Key:**
- **Interrupted**
- **Uninterrupted**

**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

---

**Application**

<table>
<thead>
<tr>
<th>Intermittent Current Rating (%)</th>
<th>SW822</th>
<th>96V D.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10% Duty</td>
<td>60A</td>
<td>9ms</td>
</tr>
<tr>
<td>20% Duty</td>
<td>120A</td>
<td>18ms</td>
</tr>
<tr>
<td>30% Duty</td>
<td>180A</td>
<td>30ms</td>
</tr>
<tr>
<td>40% Duty</td>
<td>240A</td>
<td>80ms</td>
</tr>
<tr>
<td>50% Duty</td>
<td>300A</td>
<td>120ms</td>
</tr>
<tr>
<td>60% Duty</td>
<td>360A</td>
<td>180ms</td>
</tr>
<tr>
<td>70% Duty</td>
<td>420A</td>
<td>240ms</td>
</tr>
</tbody>
</table>

**Maximum Recommended Contact Voltages (Ug):**

- **SW822**: 800A at 80V
- **SW822**: 120A at 13 - 15 Watts
- **SW822**: 160A at 16 - 20 Watts
- **SW822**: 200A at 20 - 30 Watts

---

**Advised Connection Sizes for Maximum Continuous Current**

- **Copper busbar**: 80mm² (0.124inch²)
- **Cable**: Rated suitable for Application

---

**Coil**

- **EE Type (Steel Shroud)**
- **Vacuum Impregnation**
- **Textured Tips**
- **Silver Plating**
- **Large Tips**
- **Manual Override Operation**
- **M4 Stud Terminals**
- **Closed Contact Housing**
- **Magnetic Latching**
- **Armature Cap**
- **Magnetic Blowout**
- **M8 Terminal Board**
- **AC Rectifier Board (Fitted)**
- **EE Type (Steel Shroud)**
- **Dedicated Sales Tel:** +44 (0)1256 890030, Fax: +44 (0)1256 890043

---

**Contact Performance Key:**

- **Contact Performance**
  - Interrupted and Uninterrupted Current

---

**Dimensions in mm [inches]**

---

**Figures are for guideline purposes only**

---

**Copyright © 2019 Albright International LTD**

Albright International Ltd, Evingar Trading Estate, Ardglen Road, Whitchurch, Hampshire, RG28 7BB, UK

Tel: +44 (0)1256 890050, Fax: +44 (0)1256 893562, Dedicated Sales Tel: +44 (0)1256 890030, Fax: +44 (0)1256 890043

E-mail: sales@albrightinternational.com or technical@albrightinternational.com Web Site: www.albrightinternational.com