The SW1000 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 lower contact resistance).

The SW1000 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 SW1000, 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 Interrupted Uninterrupted

<table>
<thead>
<tr>
<th><strong>Thermal Current Rating (%)</strong></th>
<th><strong>Uninterrupted</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>30% Duty</td>
<td>2190A</td>
</tr>
<tr>
<td>40% Duty</td>
<td>1895A</td>
</tr>
<tr>
<td>50% Duty</td>
<td>1695A</td>
</tr>
<tr>
<td>60% Duty</td>
<td>1550A</td>
</tr>
<tr>
<td>70% Duty</td>
<td>1435A</td>
</tr>
</tbody>
</table>

- **SW1000**
  - 1800A at 60V D.C.

- **Maximum Recommended Contact Voltages (U_n):**
  - SW1000A 60V D.C.
  - Typical Voltage Drop per pole across New Contacts at 1200A 50mV
  - Prolonged Operation (Max 90% Duty Cycle) 60% U_n
  - Prolonged Operation (Max 80% Duty Cycle) 70% U_n

- **Rated Fault Current Breaking Capacity (at 1200A):**
  - Uninterrupted 1200A
  - Interrupted 2000A

- **Typical Contact Bounce Period:**
  - With Diode Suppression: 100ms
  - With Diode and Resistor: 300ms
  - With Diode and Resistor, (Subject to resistance value): 300ms

- **Typical Pull-In Time:**
  - Without Suppression: 15ms
  - With Diode Suppression: 100ms

- **Typical Drop-Out Time (N/O Contacts to Open):**
  - Without Suppression: 10ms
  - With Diode Suppression: 100ms

- **With Auxiliary:**
  - 20 gms

- **Dimensions in mm [inches]:**
  - Width: 120 mm [4.72 in]
  - Height: 97 mm [3.82 in]
  - Depth: 45 mm [1.77 in]

- **Operational Data:**
  - darüber 70% Duty
  - under 60% Duty

- **Uninterrupted load is switched. These contactors are primarily for use with Direct Current loads but can also be used with Alternating Currents.**

### Contact Performance Key:

- **Uninterrupted Current**
- **Uninterrupted**

### Contact Performance Diagram

- **Connection Diagram**

### SW1000 Available Options

- **General**
  - **Suffix**
    - Auxiliary Contacts: A
    - Auxiliary Contacts - V3: C
    - Magnetic Blowouts: X
    - Magnetic Blowouts - High Powered: T
    - Armature Cap: X
    - Mounting Brackets (see Busbar Series catalogue): X
    - Magnetic Latching: X
    - Closed Contact Housing: X
    - Environmentally Protected IP66: X
    - EE Type (Steel Shroud): X

- **Contacts**
  - **Large Tips**
  - **Textured Tips**
  - **Silver Plating (Fitted as standard)**

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

---

**Key:**
- ✅ = Uninterrupted
- ✅ = Uninterrupted
- ✅ = Uninterrupted
- ✅ = Uninterrupted

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