The SW2000 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 a lower contact resistance).

The SW2000 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 SW2000, however, optionally it can be excluded from the specification. This compact contactor can be busbar mounted vertically or horizontally, however if mounted vertically, the coil should be at the bottom.

**Application** | **Uninterrupted**
--- | ---
Thermal Current Rating (\(\frac{\text{amps}}{\text{hr}}\)) | 2000A
Intermittent Current Rating:
- 30% Duty Cycle | 3650A
- 40% Duty Cycle | 3160A
- 50% Duty Cycle | 2830A
- 60% Duty Cycle | 2500A
- 70% Duty Cycle | 2300A

Rated Fault Current Breaking Capacity (on) Resistive Load*:

SWG2000 3000A at 60V D.C.

Maximum Recommended Contact Voltages (\(U_c\)):

SWG2000 60V D.C.

Typical Voltage Drop per pole across New Contacts at 2000A 50mV

Mechanical Durability: \(> 1 \times 10^6\) Cycles

Coil Voltage Available (\(U_c\)) (Rectifier board required for A.C.) From 6 to 240V A.C./D.C.

Coil Power Dissipation:

Highly Intermittently Rated Types 60 - 90 Watts

Intermittently Rated types 40 - 60 Watts

Prolonged Rated Types 35 - 40 Watts

Continuously Rated Types 25 - 35 Watts

Maximum Pull-In Voltage (Coil at 20°C) Guideline:

Highly Intermittently Rated Types (Max 25% Duty Cycle) 60% \(U_c\)

Intermittently Rated types (Max 70% Duty Cycle) 60% \(U_c\)

Prolonged Operation (Max 90% Duty Cycle) 60% \(U_c\)

Continuously Rated Types (100% Duty Cycle) 66% \(U_c\)

Drop-Out Voltage Range 10 - 30%

Typical Pull-In Time 90ms

Typical Drop-Out Time (N/O Contacts to Open): Without Suppression 25ms

With Diode Suppression 170ms

With Diode and Resistor (Submax resistance value) 170ms

Typical Contact Bounce Period < 5ms

Operating Ambient Temperature -40°C to +60°C

Guideline Contact Weight:

SWG2000 4870 gms

With Auxiliary + 20 gms

**Auxiliary Details**

- **Auxiliary Thermal Current Rating**: 5A
- **Auxiliary Contact Switching Capacities (Resistive Load)**:
  - SW2000A 5A at 24V D.C.
  - SW2000C 2A at 48V D.C.
  - 0.5A at 240V D.C.

**Advised Connection Sizes for Maximum Continuous Current**

- Copper busbar 1900mm (7.5 inches)
- Cable 0.58mm² (2.33inch²)

**Key:** = Uninterrupted

- Please check our web site for product UL status

- 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