The SW63P is a miniature series single pole, free standing, compact contactor which is sealed to IP66. The SW63P is designed to fill the gap between 30 amperes relays and 100 amperes contactors. Devised for both interrupted and uninterrupted loads, the SW63P 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).

The SW63P features single pole double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SW63P incorporates an enclosed top cover and offers environmental protection to IP66. The SW63P has M6 stud main terminals and 6.3mm spade coil connections. It can be mounted via mounting brackets (supplied fitted). Mounting can be on the side or base of the contactor.

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### Application

<table>
<thead>
<tr>
<th>Current (Amps)</th>
<th>Interrupted</th>
<th>Uninterrupted</th>
</tr>
</thead>
<tbody>
<tr>
<td>80A</td>
<td>80A</td>
<td>80A</td>
</tr>
</tbody>
</table>

- **Thermal Current Rating**:
  - 30% Duty: 145A
  - 40% Duty: 125A
  - 50% Duty: 115A
  - 60% Duty: 105A
  - 70% Duty: 95A

- **Maximum Recommended Contact Voltages (U_b)**:
  - SW63P: 400A at 48V D.C.
  - SW63BP: 400A at 96V D.C.

- **Coil Voltage Available (U_C)**:
  - From 6 to 130V D.C.

- **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) Guidelines**:
  - Highly Interrupted Rated Types (Max 25% Duty Cycle): 60% U_b
  - Intermittently Rated Types (Max 70% Duty Cycle): 60% U_b
  - Prolonged Operation (Max 90% Duty Cycle): 60% U_b
  - Continuously Rated Types (100% Duty Cycle): 66% U_b

- **Operational Ambient Temperature**: - 40˚C to + 60˚C

- **Actual Contact Weight**: 210 gms

- **Connection Diagram**

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**Contact Performance Key**

- *Interrupted and Uninterrupted Current*

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**Contact Options**

- **Auxiliary Contacts**: X
- **Magnetic Blowouts**: B
- **Armature Cap**: X
- **Environmental Protection**: P
- **EE Type (Steel Shroud)**: X

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**Connection Diagram**

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**Connection Benefits**

- *Connections become polarity sensitive*

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**Connection Diagram**

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**Technical Specifications**

- *Please check our web site for product UL status*

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**General**

- **Auxiliary Contacts**
  - X
- **Magnetic Blowouts**
  - B
- **Armature Cap**
  - X
- **Environmental Protection**
  - P
- **EE Type (Steel Shroud)**
  - X