The SW80 with Junior Power Timer (JPT) Connector has been designed for direct current loads, including motors as used on electric vehicles such as industrial trucks, and telecom and power distribution applications. Developed for both interrupted and un interrupted loads, the SW80 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 SW80 features single pole double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SW80 has M8 stud main terminals and 6.3mm spade coil connections. Mounting is via M4 tapped holes or mounting brackets, either supplied fitted, or as separate items. 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.

### SW80 Contactor Performance

- **Dimensions in mm [inches]**
  - M8 MAIN TERMINALS TO BE TIGHTENED WITHIN RANGE 8 - 9.5mm
  - 8.3mm [0.32] SPADE TERMINALS

### SW80 Available Options

- **General**
  - **Suffix**
    - Auxiliary Contacts
    - Auxiliary Contacts - V3
    - Magnetic Blowouts
    - Magnetic Blowouts - High Powered
    - Armature Cap
    - Mounting Brackets
    - Magnetic Latching
    - Closed Contact Housing
    - Environmentally Protected IP66

- **Contacts**
  - **Large Tips**
  - **Textured Tips**
  - **Silver Plating**
  - **AC Rectifier Board (Fitted)**
  - **Coil Suppression**
  - **Flying Leads**
  - **Junior Power Timer Connector**
  - **Manual Override Operation**
  - **M4 Stud Terminals**
  - **M6 Terminal Board**
  - **Vacuum Impregnation**

- **Key:**
  - **Optional**
  - **Standard**
  - **Not Available**
  - **X**

### Contact Performance Key

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

### SW80 Contactors

- **SW80C**
- **SW80A**
- **SW80B**
- **SW80B**
- **SW80C**
- **SW80A**

- **Auxiliary Thermal Current Rating:** 5A

- **Auxiliary Contact Switching Capabilities (Resistive Load):**
  - **SW80C**
  - **SW80A**
  - **SW80B**

- **Advised Connection Sizes for Maximum Continuous Current:**
  - Copper busbar: 80mm² [0.124inch²]
  - Cable: Rated suitable for Application

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

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

*Please check our web site for product UL status*