The SW80 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 uninterrupted 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.

### Contact Performance Key

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

### Connection Diagram

#### SW80C

- **Auxiliary Contact Switching Capabilities (Resistive Load):**
  - SW80C: 5A
  - SW80A: 5A at 24V D.C.
  - 2A at 48V D.C.
  - 0.5A at 240V D.C.

- **Advised Connection Sizes for Maximum Continuous Current:**
  - Copper busbar: 80mm² (0.124inch²)
  - Key: = Interrupted  = Uninterrupted

### Contact Performance Key

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

### SW80 Available Options

#### General
- **Suffix**
  - A: Auxiliary Contacts
  - B: Magnetic Blowouts
  - C: Auxiliary Contacts - V3
  - D: Magnetic Blowouts - High Powered
  - M: Armature Cap
  - P: Mounting Brackets (see SW80P catalogue sheet)
  - X: Magnetic Latching
  - Y: Environmentally Protected IP66
  - Z: Closed Contact Housing

#### EE Type (Steel Shroud)
- **Suffix**
  - A: EE Type (Steel Shroud)

#### Contacts
- **Suffix**
  - L: Large Tips
  - T: Textured Tips
  - X: Silver Plating

#### Coil
- **Suffix**
  - A: AC Rectifier Board (Fitted)
  - B: Coil Suppression
  - C: Flying Leads
  - D: Junior Power Timer Connector
  - E: Manual Override Operation
  - M: M4 Stud Terminals
  - N: MS Terminal Board
  - P: Vacuum Impregnation

### Key
- **Suffix**
  - A: Connections become polarity sensitive
  - B: Open Housing Available

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