The SU60 is a high rated freestanding compact contactor devised for both interrupted and uninterrupted loads, and is suitable for switching Resistive, Capacitive and Inductive loads. Typical applications include motors as used on small electric vehicles and hydraulic power packs.

- **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 SU60 features single pole double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SU60 has M8 stud main terminals and 6.3mm spade coil connections. It can be mounted via M4 tapped holes or mounting brackets – either supplied fitted, or as separate items. Mounting can be on the side or base of the contactor.

**SU60 Single Pole Single Throw Normally Open**

**SU60 Available Options**

**General**
- Auxiliary Contacts
- Auxiliary Contacts - V4
- Magnetic Blowout
- Magnetic Blowouts - High Powered
- Armature Cap
- Mounting Brackets
- Magnetic Latching
- Closed Contact Housing
- Environmentally Protected
- E3 Type (Steel Shroud)

**Contacts**
- Large Tips
- Textured Tips
- Silver Plating

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

**SU60 Contact Performance**

**Connection Diagram**

- Interrupted & Uninterrupted Current

**Contact Performance Key**

**Advised Connection Sizes for Maximum Continuous Current**

- Copper busbar 64.5mm² [0.1inch²]
- Cable Rated suitable for Application

**Auxiliary Details**

- Auxiliary Thermal Current Rating: 5A
- Auxiliary Contact Switching Capabilities (Resistive Load):
  - SU60C: 5A at 240V D.C.
  - SU60A: 1A at 60V D.C.
  - 0.5A at 120V D.C.
  - 0.25A at 240V D.C.

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

- SU60: 150A at 48V D.C.
- SU60B: 150A at 96V D.C.

**Maximum Recommended Contact Voltages (Uₗ):**

- SU60: 48V D.C., 60V D.C.
- SU60B: 96V D.C.

**Typical Voltage Drop per pole across New Contacts at 100A:**

- 50mV

**Mechanical Durability:**

- >3 x 10⁸ Cycles

**Coil Voltage Available (Uᵥ):**

- From 6 to 130V D.C.

**Coil Power Dissipation:**

- 40% Duty
- 60% Duty
- 60% Uₗ

**Drop-Out Voltage Range:**

- 10 - 25% Uₗ

**Typical Pull-In Time:**

- 15ms

**Typical Drop-Out Time:**

- 5 - 7ms

**Dimensions in mm [inches]:**

**SU60 Contactor Performance**

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