

### **BATTERY DISCONNECT SWITCHES**

## SD200 SERIES



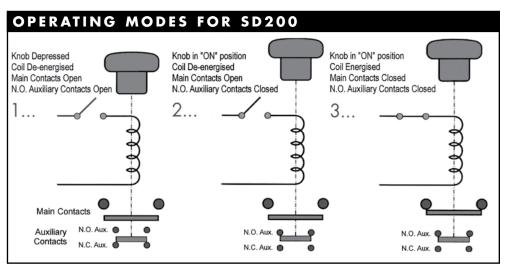
#### **SD200A**

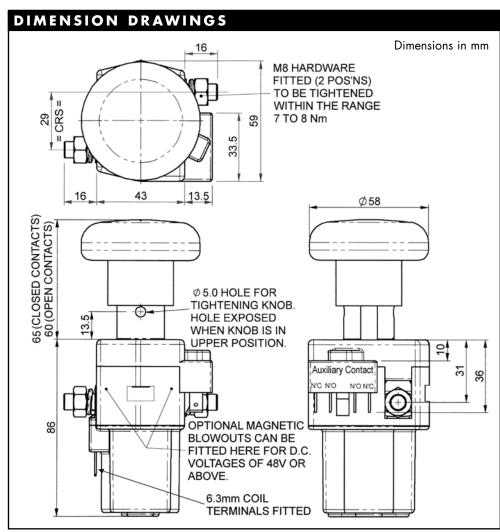


### **DESCRIPTION**

Albright International announces a new addition to the ED & SD ranges of Battery Disconnection Switches: SD200 – This replaces the SD150 series.

The SD200 combines the dual function of a manual disconnect and coil operated line contactor. The benefits of this design include compact size and reduced installation costs combined with an electrical capacity sufficient for most small and medium size electric vehicles.





### PERFORMANCE DATA

#### Thermal Current Rating (100%):

200 Ampere

#### **Intermittent Current Ratings:**

30% - 360 Ampere 60% - 260 Ampere 40% - 320 Ampere 70% - 240 Ampere

50% - 300 Ampere

# Typical Inductive Fault Currents that can be ruptured (5ms time Constant):

 SD200
 800 Amperes at 48V D.C.

 SD200B
 800 Amperes at 80V D.C.

### **Maximum Recommended Contact Voltages:**

SD200 48V D.C. SD200B 96V D.C.

#### **Typical Voltage Drop across**

New Contacts: 40mV

#### **Mechanical Life:**

Manually Operated >10,000 Electrically Operated >3,000,000

#### **Coil Power Dissipation:**

Intermittently Rated Types: 15 - 20 Watts
Continuously Rated Types: 7 - 13 Watts

#### Maximum Pull-in Voltage (Coil at 20°C):

Intermittently Rated Types: 60%V Continuously Rated Types: 66%V

## Typical Drop-out Voltage (Coil at 20°C):

10-25%

## Typical Pull-in time (contacts to close): 20ms

## Typical Drop-out time (contacts to Open):

Without Suppression: 5ms
With Diode Suppression: 50ms

With Diode and Resistor

(depending on value): 8-20ms

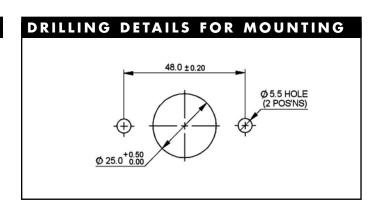
## Typical Contact Bounce Period: 3ms

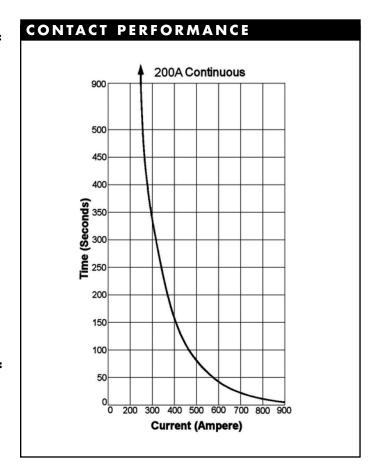
## **Auxiliary Contact Thermal Current Rating:**

5 Ampere

# Auxiliary Contact Switching Capacities (Resistive Load):

5A at 24V D.C. 2A at 48V D.C. 0.5A at 240V D.C.





**Please Note:** All Performance data provided should be used as a guide only. Some de-rating or variation from these figures may be necessary according to type and application.