

## **SMB SERIES** *DC Motor Protectors*

### WORLD CLASS PERFORMANCE

The SMB Series is a high current DC motor protector which delivers the benefit of locked rotor and overload protection in a robust integrated package.

With an exceptional history of more than 90 years, Sensata Technologies is a leading supplier of sensors and switches.

#### **Features**

- Copper plated steel base and tab
- Available in covered and uncovered versions
- Designed to trip time or temperature specifications
- Multiple bimetallic resistivities available

#### Benefits

- Electrical connection enabled by soldering, riveting, or resistance welding
- Snap action device provides longer life cycle
- Brush card or end cap mountable in the motor
- Multiple lug and brush/bracket options

Sensata Technologies' SMB Series of snap action motor protectors are designed for DC blower and engine cooling fan motors, pump motors or other applications up to 24 Volts where over-current or overtemperature protection are required. The SMB is equipped for operation under harsh temperature extremes.

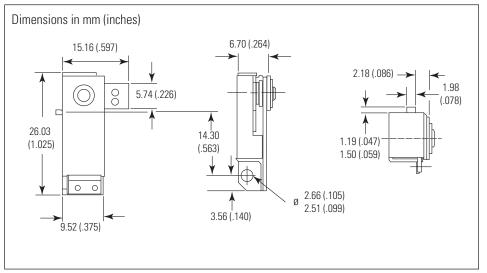
Sensata

Technologies

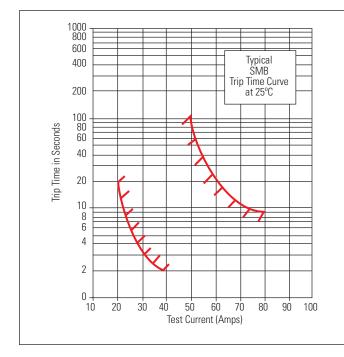
A broad range of design and mounting options enable this device to be custom engineered to meet your needs.

Sensata Technologies is an ISO and TS registered company providing world class quality products.

#### **Dimensional Drawing**



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#### **General Specifications**

Nominal Operating Voltage 12-24 Volts DC
Typical voltage drop at operating current 200 mV max
Typical ambient temperature range40°C to 110°C
Maximum Operating Current 35 Amps
Peak Room Temperature Stall Current

These curves are to be used only as a guide in selecting a protector for a particular application. Factors such as distance from the heat source and the method of mounting should be considered in selecting a protector. Final trip times are dependent upon terminal configuration and mounting in the application.

#### **Global Sales Offices**

#### **North America**

Sensata Technologies, Inc. Electrical Protection 529 Pleasant Street, MS B-49 Attleboro, Massachusetts 02703 Phone: 1-508-236-3287

#### **Central & South America**

Sensata Technologies Sensores e Controles Do Brasil LTDA. Rua Azarias de Melo, 648 Bairro Taquaral-Campinas/SP Brasil Phone: 19-3754-1142

# Sensata Technologies

Europe

Sensata Technologies Holland B.V. Kolthofsingel 8 7602 EM Almelo The Netherlands Phone: 31-546-879560

#### Middle East & India

Sensata Technologies India Pvt. Ltd. Bagmane Tech Park Byrasandra CV Raman Nagar Bangalore-560 093 India Phone: 91-25-099329

Sensata Technologies 529 Pleasant Street Attleboro, MA 02703-2964 U.S.A. Phone 1-508-236-3800 www.sensata.com

#### Asia

Sensata Technologies (Shanghai) Co., Ltd. Novel Plaza, 8th Floor 128 Nanjing Road West Huangpu District Shanghai 200003, PRC Phone: 86-21-23061553

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