

# TECHNICAL DATA



## S100 Temperature Switches



The **S100 Series** of temperature switches are designed to meet customer specific applications. They are available in a selection of body styles, connector configurations, switching temperatures and senses, i.e. normally open, normally closed or changeover. This range of products has been designed and engineered to be rugged and durable, and capable of extensive service in demanding environments. Suitable for use on many types of industrial engines, the **S100 Series** can withstand significant levels of vibration, shock, temperature and humidity.

### SPECIFICATION

#### Threads

**Typical Threads:** 1/2" NPTF, 3/8" NPTF, 1/2" BSPT, 3/8" BSPT, 5/8"UNF, M14 or M18

Other thread sizes and body designs are available.

#### Electrical

**Max. Switching Current:** 1 A  
**Min. Switch Operations:** 100,000

#### Materials

**Body:** Brass to CZ121/131  
**Connector:** 30% Glass Filled PBT  
**Terminals:** Brass CZ108 with silver or nickel plated. Gold plating also available  
**Flying Leads:** XLPE

#### Operation

**Switching Temp Sense:** Within -20 °C to +140 °C range  
**Differential Accuracy:** N/O or N/C  
8°C below 100 °C / 10 °C above 100 °C  
±3 °C

#### Environmental Ratings

**Service Temp:** -20 °C to +140 °C  
**Vibration:** 15.3 Grms to BSEN 60068-2-64:1993

#### Dimensions

