

## **S100 Temperature Switches**



The **\$100 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 **\$100 Series** can withstand significant levels of vibration, shock, temperature, and humidity.

## Threads **Dimensions Typical Threads:** 1/2" NPTF, 3/8" NPTF, 1/2" BSPT, (0.15") (0.15") 3.7 3/8" BSPT, 5/8"UNF, M14 or M18 . ന Other thread sizes and body designs are available. 18.2 N 72" 22 (0.875") A/F 35 (1.38") 0 **Electrical** 4 5 с 57 Max. Switching Current: 1 A ы 40 (1.) Ø8 (1.18") 12 **Min. Switch Operations:** 100,000 62 (0.31") <u>o</u> 8 Ø8 **Materials** (0.31") CRS 5.0 Ø19.9 **Body:** Brass to CZ121/131 (0.20'')(0.78") **Connector:** 30% Glass Filled PBT 10.2 Terminals: Brass CZ108 with silver or nickel plated. (0.40' Gold plating also available 19.7 **Flying Leads:** XLPE (0.78" Ø19.9 (0.78") 19 (0.75") 58" Operation Switching Temp Within -20 °C to +140 °C range 2 WAY AMP JUNIOR TIMER N/O or N/C Sense CONNECTOR TWIN 1/4" SPADES TOP S102 8°C below 100 °C / 10 °C above 100 °C Differential MOULDING CONNECTOR S101 Accuracy ±3 °C CRS 5.5 CRS 6.0 (0.22)Ø19.9 (0.24")(0.78")**Environmental Ratings** Service Temp: -20 °C to +140 °C 17.7 (0.70'') (0.37" Vibration: 15.3 Grms to BSEN 60068-2-64:1993 10.7 (0.42") 9.5 1.5 29 (1.14") à 2 WAY PACKARD METRI-PACK 2 WAY DEUTSCH CONNECTOR 150 SERIES CONNECTOR

**SPECIFICATION** 

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Since the suitability of these products depends upon a wide range of factors not in our control, Rochester Sensors UK Limited expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Rochester Sensors UK Limited reserves the right to make material changes, and or technical changes without notification.

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