

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.

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 22 (0.875") A/F 2" 35 (1.38") 0 4 57 ы 40 (1.) Ø8 **Electrical** 30 (1.18") 4 62 (0.31") Max. Switching Current: 1 A ġ **Min. Switch Operations:** 100,000 Ø8 (0.31") CRS 5.0 Ø19.9 (0.20'')**Materials** (0.78") 10.2 **Body:** Brass to CZ121/131 (0.40)**Connector:** 30% Glass Filled PBT **Terminals:** Brass CZ108 with silver or nickel plated. 19. (0.78" Ø19.9 Gold plating also available (0.78") 19 (0.75") **Flying Leads:** XLPE 58" 2 WAY AMP JUNIOR TIMER Operation CONNECTOR TWIN 1/4" SPADES TOP Switching Temp Within -20 °C to +140 °C range S102 MOULDING CONNECTOR N/O or N/C Sense S101 8°C below 100 °C / 10 °C above 100 °C Differential Accuracy ±3 °C CRS 5.5 CRS 6.0 (0.22)Ø19.9 (0.24")(0.78")**Environmental Ratings** 17.7 (0.70'') (0.37" 10.7 Service Temp: -20 °C to +140 °C (0.42") 9.5 Vibration: 15.3 Grms to BSEN 60068-2-64:1993 .5 29 (1.14") 2 WAY PACKARD METRI-PACK 2 WAY DEUTSCH CONNECTOR 150 SERIES CONNECTOR S104

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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