Fast Facts

Robust Screw-in Temperature Sensor 94099_M14_AMPT_brass_2.25k

The 94099 temperature sensor from KYOCERA AVX is designed for precise temperature monitoring in fluid systems used in industrial and automotive environments. Based on proven NTC thermistor technology, the sensor delivers stable and accurate temperature measurements across a wide operating range. Its compact M14 × 1.5 threaded design allows easy and secure integration into mechanical assemblies such as cooling circuits, lubrication systems, and hydraulic components. Combined with a robust housing and reliable electrical connection, this sensor ensures dependable operation even under demanding environmental conditions.

Special Features

- Temperature range: −40 °C to +150 °C
- Sensing element: NTC thermistor (2.25 kΩ @ 25 °C)
- Electrical interface: Analog output signal
- Mechanical interface: M14 × 1.5 male thread
- Integrated Connector: AMP Junior Timer 2-pole with IP6K9K
- Aluminum sealing ring (14 x 18 x 1.5 mm); copper available as an alternative
- Sensor housing: brass
- RoHS / REACH complaint

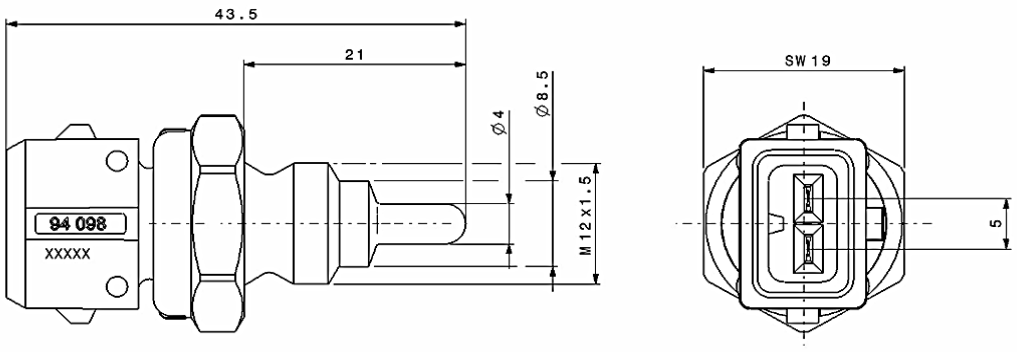
Typical Applications

- Measuring temperature of liquid media such as water, oil, and other process fluids
- Monitoring cooling systems, lubrication circuits, and general fluid monitoring
- E.g., in industrial equipment, mobile machinery, and automotive subsystems

Key Technology

NTC

- Fast and precise temperature detection
- Versatile in use
- Robust integration



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