

SENSOR_CNSA Series

Structure of Electrical Terminal



◆ Product Introduction

The thermistor sensor with a terminal structure at the head is a precision electronic component that converts temperature changes into electrical signals and is widely used in the field of temperature measurement and control. Its core component is the thermistor chip, which is a semiconductor device extremely sensitive to temperature and can accurately change its own resistance value according to temperature fluctuations.

The terminal structure at the head of this sensor is one of its key features.

The terminals are usually made of highly conductive metal materials, such as copper alloys, etc., and undergo special surface treatments, such as tin plating, gold plating and other processes, to enhance their oxidation resistance and the stability of thermal conduction connections.

These terminals not only provide reliable electrical connection points for the thermistor chip, making it convenient to connect with external mechanisms, but also provide a certain degree of mechanical protection for the chip.

◆ Features

- 1.High stability.
- 2.Supports a temperature measurement range from -40°C to +150°C.
- 3.Good moisture resistance and durability.
- 4.Easy to be fixed with screws or spot welding.
- 5.Standard boss terminal sensor, easy to install.

◆ Applications

- 1.New energy vehicles.
- 2.AI servers, server power supplies, and robots.
- 3.Charging piles and energy storage devices.
- 4.Data projectors, inverters, heat pumps, etc.
- 5.Fans and heaters.
- 6.Surface temperature measurement.

◆ Coding Principle

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Product Type			Series		Resistance Value			Resistance Value Precision	B-Value		Product Drawing Number				Category		Wire Length Recognition