

# SLHT23



## Protection Temperature and humidity sensor

[http:// www.sonbus.com](http://www.sonbus.com)

### Product Overview

SLHT23 including SLHT23-1, SLHT23-2, SLHT23-3 of 5 models were built - SHT10, SHT11, SHT15. Protective type can effectively prevent dust and other particles from entering the sensor chip, so as to achieve the purpose of protection, extend sensor life. Comes standard with a long noodle products, support up to 50 meters, the user has the long-term requirements can be customized.

Please refer to the user programmed instructions and Switzerland SHT original package provided by our company. Please use the power wiring and strictly follow the instructions. Remember to check the wiring is correct and then energized.



### Parameters

| Parameter                      | Value                                 |
|--------------------------------|---------------------------------------|
| Energy consumption             | 80uW (at12bit, 3V, 1 measurements/ s) |
| RH operating range             | 0 - 100% RH                           |
| T operating range              | -40 - +100°C                          |
| RH response time               | 8 sec (tau63%)                        |
| Humidity measurement precision | ± 1.8%RH(@25°C)                       |
| Power supply voltage           | 2.4-5.5V                              |
| Dimensions                     | See Drawing                           |

### ORDERING INFORMATION

| Type     | Inside sensor chip |
|----------|--------------------|
| SLHT23-1 | SHT10              |
| SLHT23-2 | SHT11              |
| SLHT23-3 | SHT15              |

### Sensor Interface

| Wire color | Name | Description    |
|------------|------|----------------|
| Green      | VSS  | Ground         |
| Yellow     | SCK  | Serial clock   |
| Red        | VDD  | Supply voltage |
| Blue       | SDA  | Serial data    |

### Dimensions

