



Characteristic features

- ▶ Detection of high humidity, dew formation or condensation
- ▶ Application range from 0 ... 100 rH, 0 ... 60 °C
- ▶ Model with SIL-contacts for PCB

Typical areas of application

- ▶ Building instrumentation, cool ceiling controller, air-conditioning
- ▶ Moisture protection in switcher panels and electrical equipment
- ▶ Condensate detection in outside directed walls
- ▶ Ventilation control in sanitary rooms
- ▶ Leakage monitor for waterproof housings
- ▶ Brown goods, CAMCORDER und Cameras



Features

The humidity sensor SHS A4 is a resistive dew formation sensor with miniaturised dimensions for detecting the onset of condensation. The exponentially rising resistive characteristics in the upper humidity region facilitates simple signal processing and a stable switching behaviour on dew formation threshold.

The ceramic substrate can become a thermal contact on the reverse side to sense surface humidity. Through SIL-contacts, the component can be directly mounted on the printed circuit board.

Other models, for example, with connection leads and plug are also available on request.

You will get more informations on:

www.hygroSENS.com

Technical Data

| Resistive Dew point sensor SHS-A4 | |
|---|--------------------------------------|
| Measuring principle | resistive humidity sensor |
| Humidity range | 0 ... 100% relative humidity |
| Temperature range | 0 ... 60 °C |
| Impedance at rH<75% | < 20 kOhm |
| Impedance at rH<93% | < 100 kOhm |
| Impedance at rH>97% | > 150 kOhm |
| max. evaluation voltage | < 0.8 Vpp \approx |
| Base substrate | Ceramic 6,2 x 7,2 x 0,6 mm |
| Connection | 2 SIL-contacts RM 2.54 mm x 20 mm |
| Ordering No. | SHS-A4 |
| Rights reserved for change in technical data for technological advancements ! | |
| Example circuits, Evaluation-Kits und complete Module available on request ! | |