

DEW POINT SENSOR SHS-A2



Order No. 18 76 06



Characteristic features

- ▶ Detection of high humidity, dew formation or condensation
- ▶ Application range from 0% to 100 rH, 0 to 60 °C
- ▶ Model with connection cable and plug

Typical areas of application

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

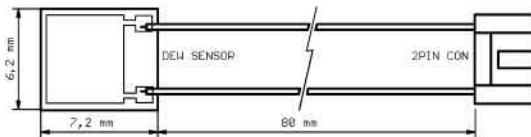


Features

The humidity sensor SHS A2 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 item is supplied with connection lead and plug to facilitate simplest connection to the circuit. The sensor can be glued onto the object for thermal contact to sense the surface humidity.

Other models, for example, with SIL contact strips are also available on request (SHS A3, A4).



You will get more informations on:

www.hygroSENS.com

Technical Data

Resistive Dew point sensor SHS-A2	
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
Interdigital structure	Conductance switch, approx. 10 µS
max. evaluation voltage	< 0.8 Vpp ~/=
Base substrate	Ceramic 6.2 x 7.2 x 0.6 mm
Connection	Connection cable 80 mm with plug RM 2.54 mm
Socket	Yeon Ho Electronics P/N : 20010WS-02000
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Example circuits, Evaluation-Kits und complete Module available on request !	

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