

Digital climate sensor KS-17

Flexible in usage - digital climate sensor for simultaneous detection of temperature and humidity in a compact plastic housing

- ☑ Compact and robust design for industrial applications
- ☑ Direct connection to a microcontroller unit with an I²C bus Interface
- ☑ High precision and low measurement deviations
- ☑ Can be integrated into new and existing plants and ventilation concepts
- ☑ Attractive price / performance ratio



Technical data

Characteristics

Design	Plastic
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Measuring element and parameters

Humidity	capacitive
Temperature	Semiconductor

Electrical connection

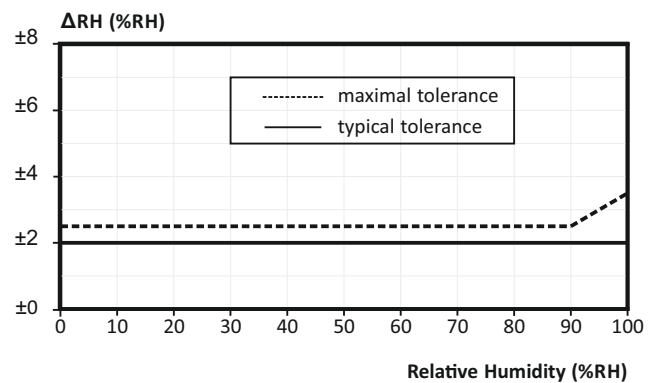
Operating voltage	2.4...5.5 V
Signal output	I ² C-Bus
Option	Cable length upon request

Applications

- ☑ Climate monitoring in switch cabinets, server rooms and other electrical systems
- ☑ Room climate control in offices and residential units
- ☑ Detecting climatic conditions in cold stores, museums, archives and other deposits
- ☑ Mechanical and plant engineering

Measuring ranges

Humidity	0...100% relative humidity
Accuracy	± 2 %
Response time	≤4 s
Temperature	-40...+120°C
Accuracy	± 0.3 K
Deviation	≤ 0.2 °C p.a.



Certifications

The device complies with the following standards:

- ☑ EN 50082-1
- ☑ EN 50082-2

Technical modifications reserved

Sales and consulting: Tel.: +49 (0)3681-8673020
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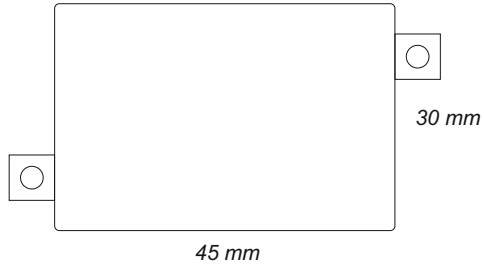
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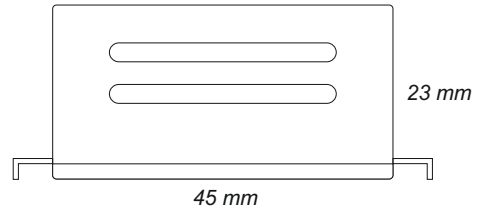
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Design and dimensions

Top



Front



Order

Scope of delivery

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Options for your order

Cable length upon request

Data sheet version: KS-17-03012019.CHME

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