

# CMa11

## Indoor temperature/humidity sensor, M-Bus

CMa11w is a two-way M-Bus temperature and humidity sensor for indoor use. The sensor offers high accuracy, reliability and user-friendliness, which makes it the optimal choice for tenant owners. Readout and configuration are easily performed via M-Bus or by using a mobile phone (via NFC).



### Technical specification

#### Mechanics

Protection class	IP30
Dimensions (w x h x d)	80 x 80 x 25 mm
Mounting	Wall-mount
Weight	75 g

#### Electrical connections

Supply voltage	From M-Bus
M-Bus slave port	Screw terminal, Cable 0.25-1.5 mm <sup>2</sup>

#### Electrical characteristics

Nominal voltage	21-42 VDC
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#### Environmental characteristics

Operating temperature	-20 °C to +55 °C
Operating humidity	0 to 95 %, no condensation
Operating altitude	0-2000 m
Pollution degree	Degree 2
Usage environment	Indoors
Storage temperature	-40 °C to +85 °C

#### Approvals

EMC	EN 61000-6-2, EN 61000-6-3
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#### Sensor characteristics

Measurement range, temperature sensor	-20 °C to +55 °C
Measurement range, humidity sensor	0 % to 100 % RH
Temperature sensor, margin of error	Temperature: 10 °C to 30 °C: ±0.2°C Temperature: 0 °C to 10 °C: ±0.4°C Temperature: -10 °C to 0 °C: ±0.5°C Temperature: below -10 °C or above 30 °C: ±1.5°C
Humidity sensor, margin of error	Humidity: 10 % RH to 90 % RH: ±2% RH Humidity: below 10 % RH or above 90 % RH: ±4% RH

#### User interface

LCD-display	No
Momentary values	Temperature, humidity, status
Historic values	Average value over the last hour and last day

#### M-Bus

Interfaces	M-Bus slave
M-Bus standard	EN 13757
M-Bus baud rate, slave port	300 and 2400 bit/s