

## Datasheet RFHSB-060.010

Articlenumber: MA020202

Room hygrostat, surface-mounted, 24V AC to 230V AC, 35...85% r.H., two-way contact, external setting

The room hygrostat is used to monitor and control relative humidity, e.g. in business premises, apartments, conservatories, bathrooms, swimming pools, computer rooms and other spaces with a clean, non-aggressive environment. Relative humidity acting on a measuring strip activates a potential-free switch contact. The setpoint is adjusted using the adjustment knob located on the front. The setting range can be restricted.



Ambient temperature, lower value	0 °C
Ambient temperature, upper value	60 °C
Assembly	Complete device
Bearing temperature, lower value	-20 °C
Bearing temperature, upper value	70 °C
Can be read off	No
Colour	Pure white
Connection cross-section	0,5 mm <sup>2</sup> - 2,5 mm <sup>2</sup>
Contact interlocking	No
Control range, lower value	°C
Cooling control function	No
Degree of contamination	2
Depth	25,5 mm
Design	Berlin 2000
Digital display	No
Display	No
Electric connection	Screw terminals

External setting	Yes
Heating control function	No
Height	83,4 mm
Housing material	Plastic ABS
Humidify / dehumidify control function	Yes
Internal setting	No
Maximum air humidity (non-condensing)	95 % r.H
Maximum switching current	E: 5 (0,2) A ; B: 2 (0,2) A
Maximum switching voltage	230 V AC, 50 Hz
Mechanical range reduction	Yes
Medium	Air, not aggressive
Minimum switching current	100 mA
Minimum switching voltage	24 V AC / 50 Hz
Mounting / attachment	Surface mounting
Number of outputs	2
On / Off switch	No
Operating voltage	None
Operation	Rotary knob
Output signal	Switching (230 V AC / 24 V AC, 50 Hz)
Potential free switching contact	No
Protection class	II, following appropriate mounting
RAL colour number (similar)	9010
Safety and EMC	In accordance with DIN EN 60730
Sealable	No
Sensor element	Plastic fibres
Setting range, rel. air humidity lower value	35 %
Setting range, rel. air humidity upper value	85 %
Surface properties	Matt
Switching contact	Two-way contact
Switching difference	Approx. 7% r.H.
Switching difference, can be adjusted	No

Switching element	Microswitch
Switching power	1150 W bzw. 460 W
Type of protection	IP30
Width	78,3 mm
With explosion protection	No
With thermostat	No

