

## Data Sheet RFHSB-060.011

Article number: MA020203

Room hygrostat, surface-mounted, 24 VAC to 230 VAC, 35...85 % r.H., changeover contact, internal setting

The room hygrostat is designed to monitor and control relative humidity, e.g. in business premises, apartments, conservatories, bathrooms, swimming pools, IT rooms and other rooms with a clean, non-aggressive environment. A potential-free changeover contact is activated by the effect of the relative humidity on a measuring tape. Particularly suitable for authorities, schools and similar public buildings due to the internal setting of the setpoint.



Connection cross-section	0,5 – 2,5 mm <sup>2</sup>
Can be read off	No
Number of outputs	2
Output signal	switching
External setting	No
Operation	internal setpoint adjuster
Design	Berlin 2000
Relative humidity setting range	35 ... 85 %
Electric connection	screw terminals
Colour	pure white

RAL colour number (similar)	9010
Sensor element	plastic fibres
Internal setting	Yes
Bearing temperature	-20 ... 70 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic ABS
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	dehumidify: 5 (0,2) A, humidify: 2 (0,2) A
Mechanical range reduction	No
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Min. switching current	100 mA
With thermostat	No
Mounting/attachment	surface mounting
Surface finish	matt
Humidifying/dehumidifying control function	Yes
Heating control function	No
Cooling control function	No
Switching differential	7 % r.H.
Switching difference, can be adjusted	No
Switching element	microswitch
On/Off switch	No

Switching contact	two-way contact
Potential free switching contact	No
Switching power	1150 W (230 VAC) / 460 W (230 VAC)
Protection class	IP30
Protection class	II, following appropriate mounting
Safety and EMC	in accordance with DIN EN 60730
Ambient temperature	0 ... 60 °C
Degree of contamination	2
Assembly	complete device
Dimensions (W x H x D)	78,3 mm x 83,4 mm x 25,5 mm

