

MECHANICAL HYGROSTAT - MFR 012

MFR

01220.0-00

MFR 012 Hygrostat, 35...95% RH, change over

- Simple installation
- Change-over contact
- High breaking capacity



PRODUCT DESCRIPTION

High humidity in a cabinet produces condensation and corrosion, which often leads to creep currents, flash-over, contact problems, etc. The difference in temperature between night and day can often be sufficient for condensation to form. To prevent this, besides a thermostat that starts a heater before the set minimum temperature is reached, a hygrostat should also be mounted that starts the heater/fan if the humidity exceeds a set value. MFR012 has a change-over contact and can even be used to control air humidifiers if the air becomes too dry.

TECHNICAL DATA

GENERAL DATA

Mounting	Clip on, DIN rail
Contact type	Changeover (SPDT)
Hysteresis humidity	4% RH
Control range humidity to	95 % RH
Colour	Light grey
Control range humidity from	35 % RH

RATED OPERATING CONDITIONS

Operational temperature	0 °C ... +60°C
Connection type	3-pole terminal for 2.5mm ²
Electrical lifetime	> 50,000 cycles
Storage temperature	-40°C ... +60°C

Life span	> 50,000 cycles
Humidity storage	<95% RH
Operating humidity	< 90% RH
Contact resistance	<10 mΩ
Breaking capacity	250 VAC: 5 A. DC: 20 W.

DIMENSIONS

Weight	0,06 kg
Depth	38 mm
Width	50 mm
Material of body	Plastic
Height	67 mm

SAFETY & APPROVALS

Flammability class	UL94-V0
IP class	IP20
Approvals	CE, cULus, EMC, RoHS, UL, UL E164102
EMC	EN 55014-1-2, EN 61000-3-2, EN 61000-3-3



