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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

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

RATED OPERATING CONDITIONS

Breaking capacity	250 VAC: 5 A. DC: 20 W.
Contact resistance	<10 mΩ
Electrical lifetime	> 50,000 cycles
Connection type	3-pole terminal for 2.5mm²
Operational temperature	0 °C ... +60°C
Storage temperature	-40°C ... +60°C
Life span	> 50,000 cycles

Operating humidity	< 90% RH
Humidity storage	<95% RH

DIMENSIONS

Height	67 mm
Width	50 mm
Depth	38 mm
Weight	0.06 kg
Material of body	Plastic

SAFETY & APPROVALS

IP class	IP20
Approvals	CE, cULus, EMC, RoHS, UL, UL E164102
Flammability class	UL94-V0

EMC	EN 55014-1-2, EN 61000-3-2, EN 61000-3-3





