

## 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 % RH           |
| Control range humidity to   | 95 % RH           |
| 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 2.5mm <sup>2</sup> |
| 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 |
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