

## ELECTRONIC HYGROSTAT - EFR 012

EFR

01245.0-00

EFR 012 Hygrostat, 40...90% RH, change over, 230V ac,

- Adjustable and pre-set relative humidity
- Status indicator (LED)
- High switching capacity
- Clip fixing
- Temperature-compensated



### PRODUCT DESCRIPTION

The electronic hygrostat senses the relative humidity in an enclosure with electric/electronic components and turns on a heater at the set point, helping prevent the formation of condensation in the enclosure. The LED integrated in the adjustment knob is lit when the connected heater is in operation

### TECHNICAL DATA

#### GENERAL DATA

|                             |                       |
|-----------------------------|-----------------------|
| Control range humidity from | 40 % RF               |
| Control range humidity to   | 90 % RF               |
| Hysteresis humidity         | 5% RH @ 25°C @ 50% RH |
| Mounting                    | Clip on, DIN rail     |
| Contact type                | Changeover (SPDT)     |
| Colour                      | Light grey            |

#### RATED OPERATING CONDITIONS

|                   |                               |
|-------------------|-------------------------------|
| Voltage max       | 230 V ac                      |
| Voltage min       | 230 V ac                      |
| Inrush max        | 16 A                          |
| Breaking capacity | AC 240 V / AC 120 V 8 (1,6) A |
| Connection type   | 5-pole terminal               |

|                         |                 |
|-------------------------|-----------------|
| Operational temperature | 0 °C ... +60°C  |
| Storage temperature     | -20°C ... +70°C |
| Life span               | > 50,000 cycles |
| Operating humidity      | < 90% RH        |
| Humidity storage        | <90% RH         |

### DIMENSIONS

|                  |         |
|------------------|---------|
| Height           | 64,5 mm |
| Width            | 42 mm   |
| Depth            | 38 mm   |
| Weight           | 0,07 kg |
| Material of body | Plastic |

### SAFETY & APPROVALS

|                    |   |
|--------------------|---|
| IP class           | IP20                                      |
| Approvals          | CE, cULus, EAC, RoHS, UL, UL E164102, VDE |
| Flammability class | UL94-V0                                   |
| Frequency          | 50/60 Hz                                  |



