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## **ELECTRONIC THERMOSTAT ETL 011**

**ETL** 

01131.2-00 ETL 011 Thermostat, -20°C...+60°C, change over, 12-

- · Large setting range
- · Small hysteresis
- Optical operating display (LED)
- Change-over contact
- · Signal application

# PRODUCT DESCRIPTION

The electronic thermostat registers the surrounding air temperature and can switch a signal current via its internal relay with a potential-free change-over contact.

Signal-processing devices can be controlled directly with the ETL 011. In order to control heating and cooling equipment, filter fans and signal devices the switch module SM 010 or a similar device is needed.

The LED integrated in the adjustment knob shows the closed status of the contact 1-2.

When temperature is rising contact 1-2 opens and the LED turns off. In currentless state (no supply voltage) contact 1-2 opens.

## **TECHNICAL DATA**

## **GENERAL DATA**

| Contact type                   | Changeover (SPDT)           |
|--------------------------------|-----------------------------|
| Tolerance for switch on        | ±1,5K                       |
| Tolerance switch off           | ±1,5K                       |
| Detection                      | NTC                         |
| Control range temperature to   | 60 °C                       |
| Colour                         | Light grey                  |
| Hysteresis temperature         | 4K (±1,5K ) @ +20°C (+68°F) |
| Control range temperature from | -20 °C                      |

## RATED OPERATING CONDITIONS

| Breaking capacity min   | DC 10 mW           |
|-------------------------|--------------------|
| Operational temperature | -40°C +85°C        |
| Voltage max             | 60 V dc            |
| Voltage min             | 10 V dc            |
| Storage temperature     | -40°C +85°C        |
| Life span               | > 100,000 cycles   |
| Humidity storage        | <90% RH            |
| Operating humidity      | < 90% RH           |
| Breaking capacity       | DC 0,5 A @ 48 V DC |

# **DIMENSIONS**

| Weight                   | 0,07 kg |
|--------------------------|---------|
| Material plastic housing | Plastic |
| Depth                    | 38 mm   |
| Tightening torque max    | 0,5 Nm  |
| Width                    | 42 mm   |
| Material of body         | Plastic |
| Height                   | 64,5 mm |

# **SAFETY & APPROVALS**

| Flammability class | UL94-V0                                   |
|--------------------|---|
| IP class           | IP20                                      |
| Approvals          | CE, cULus, EAC, RoHS, UL, UL E164102, VDE |

