

THERMOSTAT 20-56V DC - DCT 010

DCT

01011.0-42

DCT 010 Thermostat/RH with sensor, 0°C...60°C, 0...65% RH, normally closed

- For high DC loads
- Small hysteresis
- Optical indication (LED)
- Also available with moisture detection

**PRODUCT DESCRIPTION**

The electronic thermostat with integrated switch module is used to control DC powered devices with high capacities in control and switch cabinets.

Heaters, coolers, filter fans or signal devices can directly be controlled via an internal electronic circuit.

The external sensor can be positioned freely anywhere in the control cabinet for precise temperature measurements.

Additionally, this thermostat is available in versions that not only measure temperature via the external sensor, but also the relative humidity (RH).

TECHNICAL DATA**GENERAL DATA**

| | |
|--------------------------------|--------------------------------------|
| Control range temperature from | 0 °C |
| Control range temperature to | 60 °C |
| Hysteresis temperature | 3 K (±1 K) @ 25 °C (77 °F), @ 50% RH |
| Control range humidity from | 65 % RF |
| Control range humidity to | 65 % RF |
| Contact type | 1 x N/C |
| Colour | Light grey |
| Activation | Temperature and Humidity |

RATED OPERATING CONDITIONS

| | |
|-------------------|---------|
| Voltage max | 56 V dc |
| Voltage min | 20 V dc |
| Breaking capacity | DC 11 A |

| | |
|-------------------------|-----------------|
| Operational temperature | -30°C ... +60°C |
| Storage temperature | -30°C ... +80°C |
| Life span | 100,000 cycles |
| Operating humidity | < 90% RH |
| Humidity storage | <90 % RH |

DIMENSIONS

| | |
|--------------------------|---------|
| Height | 93 mm |
| Width | 53 mm |
| Depth | 44 mm |
| Weight | 0.12 kg |
| Material plastic housing | Plastic |
| Cable length | 2000 mm |

SAFETY & APPROVALS

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



