

## ELECTRONIC HYGROSTAT - DCF 010

DCF

01012.0-20

DCF 010, N/O&amp;N/C, 40...90 % RH, DC 15 A, with ext sensor

- For high DC loads
- Low hysteresis
- Optical display (LED)
- Integrated relay
- With external sensor



### PRODUCT DESCRIPTION

This electronic hygrostat (DCF010) with integrated relay is used to control high DC loads, such as enclosure heaters, coolers and large fans. The high DC switching current is achieved with a high powered MOSFET and mechanical contacts. The external sensor can be placed anywhere in the control cabinet for precise measurement of humidity (RH). In addition, this hygrostat is available in versions that not only measure relative humidity via the external sensor, but also the temperature.

## TECHNICAL DATA

### GENERAL DATA

<b>Mounting</b>	Clip on, DIN rail
<b>Contact type</b>	1 x N/O (MOSFET) and 1 x N/C (MOSFET)
<b>Hysteresis humidity</b>	4% RH @ +25°C, 50% RH
<b>Control range humidity to</b>	90 % RH
<b>Colour</b>	Grey
<b>Control range humidity from</b>	40 % RH

### RATED OPERATING CONDITIONS

<b>Operational temperature</b>	-30°C ... +40°C
<b>Voltage max</b>	56 V dc
<b>Connection type</b>	6-pole terminal
<b>Voltage min</b>	20 V dc

<b>Storage temperature</b>	-40°C ... +80°C
<b>Life span</b>	> 100,000 cycles
<b>Humidity storage</b>	<90% RH
<b>Operating humidity</b>	< 90% RH
<b>Breaking capacity</b>	DC 15 A

## DIMENSIONS

<b>Weight</b>	1,2 kg
<b>Depth</b>	44 mm
<b>Width</b>	53 mm
<b>Material of body</b>	Plastic
<b>Height</b>	93 mm

## SAFETY & APPROVALS

<b>IP class</b>	IP20
<b>Approvals</b>	CE, cULus, EAC, RoHS, UL, UL E164102, VDE
<b>Additional information</b>	Includes external sensor with 2m cable with snap in connector



