NEW: MECHANICAL HYGROSTAT

MFR 012 | 01250.0-00



The hygrostat is used to prevent condensate and regulates heating and fans. From a critical relative humidity of 65 %, the temperature is increased so that the relative air humidity decreases and condensate is prevented from forming.

- Adjustable relative air humidity
- Changeover contact (heating or cooling)
- High switching capacity
- Clip mounting

OVERVIEW TECHNICAL DATA

Device type	Hygrostat
Setting range	30 % RH - 95 % RH
Contact type	Snap-action contact
Protection type	IP30
Casing	Plastic to UL94 V-0, light grey
AC/DC	AC;DC
Inrush current	16 A
Inrush current duration	10 s
Switching capacity	AC 5 A;DC 20 W
Switching current ohmic	10 A
Reference voltage ohmic	250 VAC
Reference voltage 2 ohmic	120 VAC
Switching current dc ohmic	0,6 A
Reference voltage dc ohmic	30 VDC
Reference voltage	20 V
Switching current	0,1 A
Service life	10 A; 10000 cycles 6 A; 50000 cycles
Switching differential	4 % RH
Switching differential tolerance	± 1,5 % RH
Operating temperature	0 °C - 60 °C
Operating humidity	≤95 % RH
Storage humidity	≤95 % RH
Storage temperature	-40 °C - 60 °C
Connection type	Connection terminal (push-in)

Connection	3 x stranded wire 1.0 - 2.5 mm² (with wire end ferrule) and rigid wire 1.0 - 2.5 mm²
Design	Changer
Mounting	Clip for 35 mm DIN rail, EN 60715
Height	84 mm
Width	35 mm
Depth	43 mm
Weight	45 g
Note	Switching differential referred to 50 % rH. Wire end ferrules must be used for connections with stranded wires.

TECHNICAL DRAWINGS

