

THERMOSTAT SWITCH (NC)

STO 011 | 01115.9-00



The mechanical NC thermostat opens when the temperature rises and is used to control heaters or to switch signal transmitters when the temperature undershoots. The bimetal thermostat has a small hysteresis and an anti frost assurance.

- Thumbwheel setting dial
- Small hysteresis enables precise control
- Anti frost assurance
- Optimized air inlets
- High switching capacity



OVERVIEW TECHNICAL DATA

Device type	Thermostats
Setting range	32 °F - 140 °F
Contact type	Snap-action contact
Sensor	Thermostatic bimetal
Protection type	IP20
Casing	Plastic to UL94 V-0, light gray
AC/DC	AC;DC
Inrush current	16 A
Inrush current duration	10 s
Switching capacity	AC 250 V: 10 (2) A; AC 120 V: 15 (2) A; DC 24-72 V: 30 W
Switching current ohmic	10 A
Switching current 2 ohmic	15 A
Reference voltage ohmic	250 VAC
Reference voltage 2 ohmic	120 VAC
Switching current inductive	2 A
Reference voltage inductive maximum	250 VAC
Reference voltage 2	120 VAC
Switching current dc ohmic	1 A
Reference voltage dc ohmic	30 VDC
Minimal switching capacity	0,48 W
Reference voltage	24 V
Switching current	20 mA
Service life	>100000 cycles

Switching differential	4 K
Switching differential tolerance	± 3 K
Operating temperature	-45 °C - 80 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-45 °C - 80 °C
Torque	0,5 Nm max.
Connection	2-pole clamp: Rigid wire cable 2.5 mm ² (AWG 14) Stranded wire 1.5 mm ² (AWG 16)
Design	Normally closed (NC)
Mounting	Clip for 35 mm DIN rail, EN 60715
Height	70 mm
Width	33 mm
Depth	42 mm
Weight	50 g
Note	The controller's contact system is exposed to the effects of the environment, which can change the contact resistance. This can lead to a voltage drop and/or self-heating of the contacts. Switching resistive loads (switching inductive loads). Wire end ferrules must be used for connections with stranded wires.

TECHNICAL DRAWINGS



