

## THERMOSTAT - STO 011/STS 011

### STO, STS

01115.9-00

STO 011 Thermostat, 32°F...140°F, normally closed

- Thumbwheel setting dial
- Small hysteresis
- High switching capacity
- Anti frost assurance
- Optimized housing for better air flow



### PRODUCT DESCRIPTION

The mechanical thermostat is a two state regulator with small hysteresis. The setting wheel has an anti frost assurance. The housing ensures an optimized air circulation around the bimetal.

STO 011: Thermostat (NC); contact breaker for regulating heaters. The contact opens when temperature is rising.

STS 011: Thermostat (NO); contact maker for regulating of filter fans and heat exchangers or for switching signal devices when temperature limit has been exceeded. The contact closes when temperature is rising.

## TECHNICAL DATA

### GENERAL DATA

Control range temperature from	32 °F
Control range temperature to	140 °F
Tolerance switch off	±3K
Tolerance for switch on	±3K
Hysteresis temperature	4K
Mounting	DIN-rail 35mm, quick mount

### RATED OPERATING CONDITIONS

Inrush max	16 A
Breaking capacity	250 VAC, 10 (2) A / 120 VAC, 15 (2) A. DC: 30W @ 24 VDC, up to 72 VDC
Contact resistance	<10 mΩ

<b>Electrical lifetime</b>	> 100 000 operations
<b>Connection type</b>	2-pole rigid 2,5 mm <sup>2</sup> (AWG 14) or stranded 1,5 mm <sup>2</sup> (AWG 16). Torque 0,8 Nm.
<b>Humidity</b>	<90 % RH (non-condensing)
<b>Operational temperature</b>	-45°C ... +80°C
<b>Storage temperature</b>	-45°C ... +80°C
<b>Life span</b>	>1 000 000 operations

## DIMENSIONS

<b>Height</b>	70 mm
<b>Width</b>	33 mm
<b>Depth</b>	42 mm
<b>Weight</b>	0.05 kg
<b>Material plastic housing</b>	Plastic

## SAFETY & APPROVALS

<b>Plastic cover</b>	Light grey plastic, UL94 V-0
<b>IP class</b>	IP20
<b>Approvals</b>	CE, cULus, EAC, RoHS, UL E164102, VDE
<b>Country of origin</b>	Germany



The anti frost assurance is a symbol on the setting scale of the NC thermostat (STO 011) at +11°C. This setting assures closing of the switching contact before 0 °C. With this setting hysteresis and tolerance are considered.

