

THERMOSTAT - STO 011/STS 011

STO, STS

01116.0-00

STS 011 Thermostat, 0...60°C, normally open

- 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	0 °C
Control range temperature to	60 °C
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

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

DIMENSIONS

Height	70 mm
Width	33 mm
Depth	42 mm
Weight	0.05 kg
Material plastic housing	Plastic

SAFETY & APPROVALS

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

