

## SMALL COMPACT THERMOSTAT

## KTO 011 / KTS 011

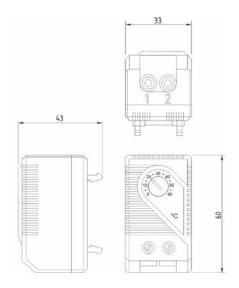


- > Large setting range
- > Small size

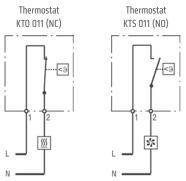
- > Simple to mount
- > High switching performance

KTO 011: Thermostat (normally closed); contact breaker for regulating heaters. The contact opens when temperature is rising.

KTS 011: Thermostat (normally open); contact maker for regulating of filter fans and heat exchangers or for switching signal devises when temperature limit has been exceeded. The contact closes when temperature is rising.



## Connection diagrams



Filter fan, Cooling equipment, Signal device









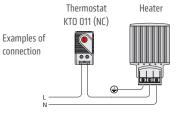


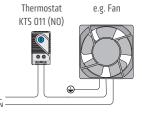
## TECHNICAL DATA

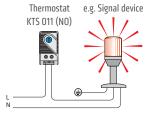
Switch temperature difference	7 K (±4 K tolerance)		
Sensor element	thermostatic bimetal		
Contact type	snap-action contact		
Service life	> 100,000 cycles		
Max. switching capacity	AC 250 V, 10 (2) A / AC 120 V, 15 (2) A DC 30 W at DC 24 V to DC 72 V		
Max. inrush current	AC 16 A for 10 sec.		
Connection	2-pole terminal, clamping torque 0.5 Nm max.: rigid wire 2.5 mm² (AWG 14) stranded wire¹ 1.5 mm² (AWG 16)		
Mounting	clip for 35 mm DIN rail, EN 60715		
Casing	plastic according to UL94 V-0, light grey		
Dimensions	60 x 33 x 43 mm		
Weight	approx. 40 g		
Fitting position	variable		
Operating/Storage temperature	-45 to +80 °C (-49 to +176 °F)		
Operating/Storage humidity	max. 90 % RH (non-condensing)		
Protection type	IP20		

<sup>&</sup>lt;sup>1</sup> When connecting with wires, wire end ferrules must be used.

Important note: The contact system of the regulator is subjected to environmental influences, thus the contact resistance may change. This can lead to a voltage drop and/or self-heating of the contacts.







Setting range	Art. No. Contact breaker (NC)	Art. No. Contact maker (NO)	Approvals			
0 to +60 °C	01140.0-00	01141.0-00	VDE	-	-	EAC
-10 to +50 °C	01142.0-00	01143.0-00	VDE	UL File No. E164102	-	EAC
+20 to +80 °C	01159.0-00	01158.0-00	VDE	UL File No. E164102	CSA	EAC
+32 to +140 °F	01140.9-00	01141.9-00	VDE	UL File No. E164102	CSA	EAC
+14 to +122 °F	01142.9-00	01143.9-00	VDE	UL File No. E164102	CSA	EAC
0 to +60 °C	01146.9-00	01147.9-00	VDE	UL File No. E164102	CSA	EAC