

Datasheet RTKSA-203.100

Articlenumber: KA020301

Frost protection thermostat, 3m, IP40, hysteresis +3K, STB, indoor setting, outdoor reset

The RTKSA frost protection regulators have been specially developed for air or water-side frost protection of hot water heating coils and heat exchangers in ventilation, heating or air conditioning systems. The capillaries are active along their entire length. The device responds when the minimum response length of the capillary (15 cm) reaches the set scale value. In the event of a sensor break, contact 1-2 is permanently open and contact 1-4 is permanently closed. Unlocking is no longer possible. Note: Mounting clamps, thermowells and protective coils are not included in the scope of delivery and must be ordered separately. Air-side application: For frost protection of heating registers, the capillary is clamped in front of the heating register to be protected with mounting clamps. The JZ-05/6M (metal) or JZ-05/6 K (plastic) mounting clamps must be used for this purpose.



Bearing temperature	-30 ... 80 °C
Capillary length	3 m
Colour	Anthracite
Contact interlocking	Yes
Control range	-10 ... 15 °C
Cooling control function	Yes
Device version	Surface-mounted unit
Dimensions (W x H x D)	57,5 mm x 146,8 mm x 53 mm
Electric connection	Push-in clamp
Electronic control	No
External reset	Yes
External setting	No
Function type (systems engineering)	STB
Heating control function	Yes

Internal setting	Yes
Max. air humidity (non-condensing)	95 % r.H.
Max. Sensor temperature	120 °C
Max. switching current	16 (2,5) A, 0,25 A, 2 (0,4) A, 0,25 A
Max. switching voltage	230 VAC, 50/60 Hz / 230 VDC
Min. switching current	At 24 V (AC/DC) min. 100 mA
Min. switching voltage	24 VAC, 50 Hz / 24 VDC
Montage/Befestigung	Wall mounting
Number of control ranges	1
Number of outputs	2
Operation	Internal setpoint adjuster, reset button
Output signal	Switching
Potential free switching contact	Yes
Protection class	I
Safety and EMC	In accordance with DIN EN 60730
Scale	Degree Celsius
Sensor element	Capillary tube
Sensor material	Cu
Switching contact	Two-way contact
Switching difference, can be adjusted	No
Switching differential	Manual reset according to 3 K (Heating/cooling)
Switching element	Microswitch
With explosion protection	No

