

## Data Sheet RTKSA-001.301

Article number: KA000103

Universal capillary thermostat, 20...150 °C, hysteresis 3.3 K, TW, internal setting

This series of devices has been specially developed for use in heating technology in boiler systems or storage tanks, district heating transfer stations and heat transfer systems, in ventilation technology as supply air monitoring or as limiters for electric heating registers and for controlling and monitoring temperatures on pipes and tanks. Thermowells, protective coils and fixing set are not included in the scope of delivery. The fixing set JZ-29 must be used in conjunction with thermowells or protective coils. When used as a contact regulator (pipe mounting), the fixing set JZ-31 must be used.



Number of outputs	2
Number of control ranges	1
Output signal	switching
External setting	No
External reset	No
Operation	internal setpoint adjuster
Diameter sensor element	6 mm
Electric connection	Push-in clamp
Electronic control	No

With explosion protection	No
Colour	anthracite
Sensor element	capillary tube
Function type (systems engineering)	TW
Device version	surface-mounted unit
Internal setting	Yes
Contact interlocking	No
Bearing temperature	-30 ... 80 °C
Length of sensor	82 mm
Capillary length	2 m
Max. air humidity (non-condensing)	95 % r.H.
Sensor material	Cu
Max. Sensor temperature	177 °C
Max. switching voltage	230 VAC, 50/60 Hz / 230 VDC
Max. switching current	16 (2,5) A, 0,25 A, 6,3 (2,5) A, 0,25 A
Min. switching voltage	24 VAC, 50 Hz / 24 VDC
Min. switching current	at 24 V (AC/DC) min. 100 mA
Mounting/attachment	in imm. sleeve, prot. coil, on tube, etc
Control range	20 ... 150 °C
Heating control function	Yes
Cooling control function	Yes
Switching differential	Heating/cooling: 3,3 K

Switching difference, can be adjusted	No
Switching element	microswitch
Switching contact	two-way contact
Potential free switching contact	Yes
Protection class	IP40
Protection class	I
Safety and EMC	in accordance with DIN EN 60730
Scale	Degree Celsius
Dimensions (W x H x D)	53 mm x 146,8 mm x 66,7 mm

