a re **Universal capillary thermostat RTKSA** Capillary system – **TÜV-tested**

	Technical data		Application		
8	Colour:	Anthracite grey (similar to RAL 7016), front side transparent	developed for use in heating technology;		
	Sensor material:	Cu	in boiler systems or storage tanks; district		
	Sensor length:	2 m	heating transfer stations and heat transfer systems; in ventilation technology to mon-		
	Max. sensor temperature	Top scale value +15%	itor supply air or as limiters for electrical		
	Max. head temperature:	80 °C	heating coils, as well as for controlling		
	Permissible atmospheric humidity:	Max. 95% rel. humidity, non-con- densing	and monitoring temperatures in pipelines and tanks.		
120	Operating voltage:	none	Immersion sleeves, protection coils and		
	Max. switching current:	NC contact: 16 (2.5) A at 230 VAC +10% 0.25 A at 230 VDC +10% NO contact TR/TW/STW: 6.3 (2.5) A at 230 VAC +10% 0.25 A at 230 VDC +10% NO contact TB: 2.0 (0.4) A at 230 VAC +10% 0.25 A at 230 VDC +10%	mounting sets are not included in the scope of delivery. The JZ-29 mounting set must be used in conjunction with immersion sleeves or protection coils. When used as contact controller (pipe mounting), mounting set JZ-31 must be used.		
	Min. switching current:	Min. 100 mA at 24 V (AC/DC)	Type testing by TÜV in accordance with		
	Max. switching voltage:	230 VAC 50/60 Hz, 230 VDC	DIN EN 14597		
	Min. switching voltage:	24 VAC/50 Hz, 24 VDC			
	Switching element:	microswitch			
	Switching contact:	toggler, potential-free			
	Control range:	heating or cooling			
	Electrical connection:	Push-in terminals			
	Mounting/attachment:	Wall mounting or with optional pro- cess connection (immersion sleeve, protection coil or mounting set JZ-31 for pipe mounting)	Geprurt		
	Protection class:	I			
	Protection rating:	RTKSA-xxx.x0x IP 40, RTKSA-xxx.x1x IP 54, optional IP 65			
	Safety and EMC:	In accordance with DIN EN 60730 (VDE 0631)			
	Sensor:	liquid-filled capillary			
	General features:	Scale: degrees Celsius			

Туре	Item no.	Control range	Hysteresis	Sensor Ø x L	Features	PG
RTKSA-000.100	KA000000	050 °C	1.3 K	6 x 175 mm	TR, external setting	II
RTKSA-000.200	KA000001	0120 °C	3 K	6 x 87 mm	TR, external setting	II
RTKSA-000.300	KA000002	20150 °C	9.1 K	6 x 56 mm	TR, external setting	II
RTKSA-001.100	KA000100	0…50 °C	1.3 K	6 x 175 mm	TW, internal setting	II
RTKSA-001.200	KA000101	0120 °C	3 K	6 x 87 mm	TW, internal setting	II
RTKSA-001.300	KA000102	20150 °C	9.1 K	6 x 56 mm	TW, internal setting	II
RTKSA-001.301	KA000103	20150 °C	3.3 K	6 x 82 mm	TW, internal setting	II
RTKSA-002.310	KA000201	20150 °C	-1015 K*	6 x 55 mm	TB, internal setting, external reset	II
RTKSA-002.410	KA000200	30110 °C	-1015 K*	6 x 72 mm	TB, internal setting, external reset	II
RTKSA-003.310	KA000300	20150 °C	-1015 K*	6 x 55 mm	STB, internal setting, external reset	II
RTKSA-004.310	KA000400	20150 °C	–10 K	6 x 55 mm	STW, internal setting	II

TR = temperature controller, TW = temperature monitor, TB = temperature limiter, STB = safety temperature limiter, STW = safety temperature monitor * Manual reset after cooling down by 10-15 K (depending on configured setpoint)