

# Typ: KR 80.035-2



**Art.-No.:** C1801705

**Features:**

single-stage boiler thermostat, mechanical, 0...70°C, TR, immersion sleeve 100mm, Toggler, 24-230 VAC, 15(8)A, hysteresis approx. 2K

**Application:**

In heating technology, they are used in boiler systems or tanks, district heat transfer stations and heat transfer plants.

Type testing by TÜV in accordance with DIN EN 14597

**Technical Data:**

Number of outputs:	2
Number, control range:	1
Output signal:	switching
External setting:	yes
Rated impulse voltage:	4000 V
Operating voltage:	none
setting range to:	70
setting range from:	0
Electrical connection:	Screw-type terminals
Colour of housing:	grey (lower part like RAL 7016, upper part like RAL 7035)
Sensor:	liquid-filled capillary
Sensor material:	Cu
Function type:	TR
Hysteresis:	approx. 2 K

Length of immersion sleeve (mm):	100
Storage temperature:	-20...+55 °C
Scope of supply:	Controller, immersion sleeve
Material of housing:	Plastic
Material of immersion sleeve:	MS nickel-plated
max. sensor temperature:	80
max. switching voltage:	230 VAC, 50 Hz
max. switching current:	15 (8) A
Medium:	Fluid, non-aggressive
min. switching voltage:	24 VAC, 50 Hz
min. switching current:	150 mA
Installation/fastening:	on the installed immersion sleeve with a system connection
Surface quality:	matt
potential-free:	yes
Control range up to:	70
Control range from:	0
Control function:	Heating or cooling
Switching element:	Microswitch
Switching contact:	Changeover
Switching power:	3450 W
Degree of protection:	IP 43
Protection class:	I
Safety and EMC:	according to DIN EN 60730
Scale - degrees Celsius:	yes
Set point adjuster:	yes
Ambient temperature up to:	55
Ambient temperature from:	-20
Unterlagen:	907.pdf
Degree of fouling:	II
Permissible atmospheric humidity:	max. 95% r.h., non-condensing

## Circuit Diagram:

