

## Datasheet RTKSA-203.000

Articlenumber: KA020300

Frost protection thermostat, 1.8m, IP40, hysteresis +3K, STB, indoor setting, outdoor reset

The RTKSA frost protection controllers have been specially developed for frost protection on the air or water side of hot water heating registers and heat exchangers in ventilation, heating or air conditioning systems. In the event of a sensor break, contact 1-2 is permanently opened 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. The SWK-2-xxx protective coils can be used for temperature measurement of non-aggressive gases in the duct. Water-side application: The THK-2-xxx thermowells can be used for temperature measurement in non-aggressive fluids and the NTHK-2-xxx thermowells can be used in aggressive fluids.



|                                     |                            |
|-------------------------------------|----------------------------|
| Bearing temperature                 | -30 ... 80 °C              |
| Capillary length                    | 1.8 m                      |
| Colour                              | Anthracite                 |
| Contact interlocking                | Yes                        |
| Control range                       | -10 ... 15 °C              |
| Cooling control function            | Yes                        |
| Device version                      | Surface-mounted unit       |
| Diameter sensor element             | 9.5 mm                     |
| Dimensions (W x H x D)              | 53 mm x 146,8 mm x 62,9 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                                             |
| Length of sensor                      | 98 mm                                           |
| 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                                              |

