



75441159



## Thermostat with push-button interface, S.1, polar white glossy

### Technical properties

#### Functions

Operating mode operating modes: comfort, standby, night lowering, frost/heat protection, dewpoint displayed with LED

#### Controls and indicators

Button / push-button presence button and setting knob can be programmed to have no functions ; with programming button and red programming LED ; with presence button for switching between comfort and standby mode

#### Connectivity

Binary inputs with 4 independent binary inputs for potential-free contacts e.g. window magnetic contact ; 4 binary inputs or 2-3 binary inputs and 1-2 outputs parameterisable

#### Voltage

Operating voltage over bus 21...32 V DC

#### Electric current

Bus current consumption (data transfer)  $\approx 10$  mA

Output current per channel max. 0.8 mA

#### Materials

Colour of design line polar white

RAL colour RAL 9010 - Pure white

Surface appearance glossy

Type of surface treatment untreated

#### LED control

LED with status LEDs: red for heating, blue for cooling and yellow for activation

#### Installation, mounting

Installation mode without spreader claws

#### Connection

Sensor cable length 50 m

Conductor cross-section (flexible) 0.3...1 mm<sup>2</sup>

Conductor cross-section (rigid) 1.5 mm<sup>2</sup>

Type of connection Binary inputs / outputs with screw terminals

Bus connection bus connection via connecting terminal

#### Cable

Cable length, inputs/outputs

max. 5 m

### Settings

Supported configuration modes system

Parameterisation valve protection can be defined ; conduct can be defined for bus voltage return

### Equipment

Product type: product type: thermostat

Set value control by setting knob  $\pm 0...5$  K

Heating for heating and/or cooling mode ; heating or cooling possible in 2 stages

Control for continuous (PI) or switched (2-point) control ; for individual single room temperature control

### Use

Differentiation characteristic 2 - Sales with setting knob

Differentiation characteristic 3 - Sales with integral bus coupling unit

### Safety

REACH conform Yes

RoHS conform Yes

Protection with dismantling protection

### Use conditions

Operating temperature  $-5...45$  °C

Energy efficiency class IV (2%)

### Identification

Application, usage KNX - sensors

Product family Product family: heating, ventilation, air conditioning

Main design line KNX - Berker S.1/B.3/B.7

Secondary design line(s) KNX ; Berker S.1 ; Berker B.3 ; Berker B.7

### Instructions

Special note text Binary input 4 parameter defineable for temperature sensor, order no. 161.