



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)

≈ 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 mm²

Conductor cross-section (rigid)

1.5 mm²

Type of connection

Binary inputs / outputs with screw terminals

Bus connection

bus connection via connecting terminal

Cable

Cable length, inputs/outputs	max. 5 m
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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	± 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.
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