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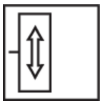

Thermostat with push-button interface, K.5, aluminium

Technical properties

Architecture

Fixing mode	flush-mounting

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 parametrisable

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

RAL colour	RAL 9006 - White aluminium
Material / workmanship	lacquered
Material	Plastic/metal
Surface appearance	matt
Type of surface treatment	Painted

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

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
Halogen free	No
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 K.1/K.5
Secondary design line(s)	KNX, Berker K.5

Instructions

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