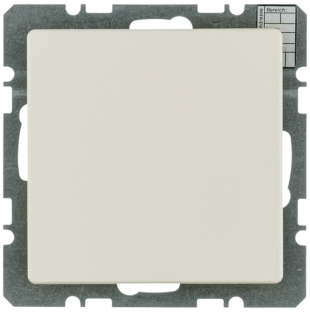

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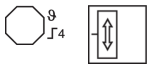

IP20

KNX object thermostat with integral bus coupling unit

Technical features

Architecture

Fixing mode	flush-mounting

Functions

Operating mode	operating modes: comfort, standby, night lowering, frost/heat protected, dewpoint

Controls and indicators

- with programming button and red programming LED

Connectivity

- 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)	max. 7,5 mA
Output current per channel	max. 0,8 mA

Materials

RAL colour	RAL 1013 - Oyster white
Material / workmanship	lacquered
Material	Plastic/metal
Surface appearance	velvety
Type of surface treatment	Painted

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

- Binary inputs / outputs with screw terminals
- bus connection via connecting terminal

Cable

Cable length, inputs/outputs	max. 5 m

Settings

Supported configuration modes	system

- conduct can be defined for bus voltage return
- valve protection can be defined

Equipment

Product type:	product type: thermostat

- for heating and/or cooling mode
- heating or cooling possible in 2 stages
- for continuous (PI) or switched (2-point) control
- for single room control

Use

Differentiation characteristic 3 - Sales	with integral bus coupling unit

Safety

Halogen free	no

- 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
Secondary design line(s)	KNX

Instructions

- Binary input 4 parameter defineable for temperature sensor, order no. 161.