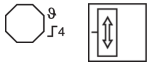


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IP20

## KNX object thermostat with integral bus coupling unit, KNX - Berker S.1/B.3/B.7, polar white glossy

### 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

Colour of design line polar white  
RAL colour RAL 9010 - Pure white  
Material Plastic/metal  
Surface appearance glossy  
Type of surface treatment untreated

#### 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>  
- 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

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

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