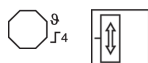


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IP20

**KNX object thermostat with integral bus coupling unit, KNX - Berker Q.1/Q.3, anthracite velvety, lacquered**

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 anthracite

RAL colour RAL 7021 - Black grey

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 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
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### 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 Q.1/Q.3
Secondary design line(s)	KNX, Berker Q.1, Berker Q.3, Berker Q.7, Berker Q.9

### Instructions

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