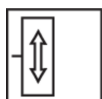


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IP20



## KNX object thermostat, intg bus coupling unit, KNX - K.1, ant. matt, lacq.

### Technical characteristics

#### Functions

Operating mode	operating modes: comfort, standby, night lowering, frost/heat protected, dewpoint
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#### Controls and indicators

Button / push-button	with programming button and red programming LED
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#### 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
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#### Voltage

Operating voltage over bus	21...32 V DC
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#### 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
Material / workmanship	lacquered
Surface appearance	matt

#### Installation, mounting

Installation mode	without spreader claws
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#### 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>
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	conduct can be defined for bus voltage return ; valve protection can be defined

#### Equipment

Product type:	product type: thermostat
Heating	for heating and/or cooling mode ; heating or cooling possible in 2 stages
Control	for continuous (PI) or switched (2-point) control ; for single room control
<b>Use</b>	
Differentiation characteristic 3 - Sales	with integral bus coupling unit
<b>Safety</b>	
REACH conform	Yes
RoHS conform	Yes
Halogen free	No
Protection	with dismantling protection
<b>Use conditions</b>	
Operating temperature	-5...45 °C
Energy efficiency class	IV (2%)
<b>Identification</b>	
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.1 ; Berker K.5
<b>Instructions</b>	
Special note text	Binary input 4 parameter defineable for temperature sensor, order no. 161.