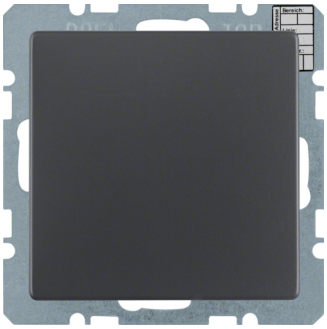

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IP20

KNX object thermostat, intg bus coupling unit, KNX, Q.x, ant. velvety, lacq.

Technical characteristics

Functions

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

Controls and indicators

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

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

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
Material / workmanship	lacquered
Surface appearance	velvety

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	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

Use

Differentiation characteristic 3 - Sales	with integral bus coupling unit

Safety

REACH conform	Yes
RoHS conform	Yes
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 Q.1/Q.3
Secondary design line(s)	KNX ; Berker Q.1 ; Berker Q.3 ; Berker Q.7 ; Berker Q.9

Instructions

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