



20448989

**Thermostat, NO contact, centre plate, time-controlled, S.1/B.3/B.7, p.white gl.**

#### Technical characteristics

#### Functions

Function	Operating hours meter or energy consumption display adjustable, with frost protection function, with valve protection function, timer for changing the temperature by the hour, with access protection
Slide switch	with switchover manual/automatic mode
With cooling function	Yes

#### Controls and indicators

Operation	operating languages are adjustable: German, English, Dutch or French
Indication / display	large, backlight display with text display

#### Main electrical features

Nominal voltage	230 V
Rated voltage	230 V AC
Frequency	50 Hz

#### Electric current

Switching current	10 mA ... 10 (4) A
Switching current at $\cos \varphi = 0.6$	max. 4 A

#### Dimensions

Insertion depth	25 mm
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#### Power

Power consumption	≈ 1.2 W
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#### Battery

Lithium cell power reserve [years]	≈ 10
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#### Detection

Sensor	with integrated temperature sensor
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#### Materials

Colour of design line	polar white
Colour	polarwhite
Material	Plastic/metal

#### Installation, mounting

Installation mode	without spreader claws
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#### Connection

Type of connection	with screw terminals
Connection	with additional connection for external floor temperature sensor/remote sensor
<b>Settings</b>	
Floor temperature setting range	10...40 °C
Room temperature setting range	5...30 °C
Programs	holiday programme with date activation
Programming	3 blocks of days: Mon-Fri, Sat-Sun, Mon-Sun, programmable with operating unit removed, max. 9 switching times per weekday, 3 preset time programmes, individually adjustable
Time	with automatic summer-/winter time switching (can be switched off)
<b>Equipment</b>	
Switching temperature difference	≈ 0.5 K
Heating	with self-teaching heating curve, for room and floor heaters, for underfloor heating control using room and/or floor temperature possible, for heating or cooling mode
Control	control process PWM or 2-point (on/off) can be selected, PWM cycle time and hysteresis (for two-point control) settable
Valve drives	type of actuator (currentless closed/open) adjustable
<b>Use</b>	
Differentiation characteristic 2 - Sales	Time-controlled
<b>Use conditions</b>	
Temperature	temperature control range adjustable
Energy efficiency class	IV (2%)
<b>Identification</b>	
Application, usage	HVAC control
Main design line	Berker S.1/B.3/B.7
Secondary design line(s)	Berker S.1, Berker B.3, Berker B.7