



EK186

**IP40**

## Multi-range thermostat

### Technical properties

#### Functions

Function with frost protection function

#### Configuration

Switch mode change-over contact, usable as NC or NO

Number of modules 3

#### Main electrical features

Rated operational voltage Ue 230 V

Frequency 50/60 Hz

#### Electric current

Acceptable current rating with AC1 2 A

#### Dimensions

Depth of installed product 63 mm

Height of installed product 85 mm

Length 64 mm

Width of installed product 52.5 mm

Width of rail mounted device (RMD) 3 modules

Max. distance for probe connection 50 m

#### Power

Power consumed 1.5 VA

Power consumption (operation) 1.5 VA

Total power loss under IN 1.5 W

Loss power at full load ≈ 1500 mVA

Power dissipation per coil 0.5 W

#### Endurance

Electric endurance in number of cycles 100000

Number of mechanical operations 200000

#### Power supply

Supply voltage 230 V +10% / -15%

#### Installation, mounting

Mounting type din-Rail

Installation mode for mounting on DIN rail

#### Connection

Sensor cable length	max. 50 m
Conductor cross-section (flexible)	1...6 mm <sup>2</sup>
Conductor cross-section (rigid)	1.5...10 mm <sup>2</sup>
Type of contacts	1 changeover
Type of connection	with screw terminals
Probe conductor cross-section (recommended)	1.5 mm <sup>2</sup>
<b>Settings</b>	
Comfort temperature setpoint	5 / 30 °C
Temperature range	-30 / +90°C
Switching temperature difference	≈ 0.15 / 3.43 K
<b>Equipment</b>	
Type of programmable thermostat	Analog
Amount of desired value	1
Heating	for heating or cooling mode
Number of temperature ranges	4
Probe type	universal
Type of probe	separated sensor
<b>Safety</b>	
Frost protection temperature setting	-30 / 90 °C
<b>Use conditions</b>	
Operating temperature	-10...50 °C
Storage/transport temperature	-20...70 °C
Temperature	additional connection for external temperature sensor
Energy efficiency class	I (1%)
<b>temperatur</b>	
Temperature	-30...90 °C
<b>Identification</b>	
Ecodesign class	1