



### Main

Range of product	Merten inserts
Product or component type	Electronical thermostat
Device presentation	Mechanism with fixing frame and central plate
Wiring device additional information	Possibility to connect external sensor
Quantity per set	Set of 1

### Complementary

Function available	Valve protection function Operating hours display Self-learning lead times Relay output behaviour : break/make contact Control unit behaviour : PWM or 2-level Automatic winter/summer time changeover
Control type	Touch screen
Device application	Heating
[Ue] rated operational voltage	230 V
Fixing mode	By screws Claws
[In] rated current	16 A (resistive load) 1 A (inductive load) cos phi = 0.6
Temperature setting range	5...35 °C air mode 5...50 °C floor mode 5...50 °C dual mode
Measurement accuracy	+/- 0.5 °C
Switch function	2-pole
Contacts type and composition	1 NO
Protection type	Overheating protection Electronic overvoltage protection
Associated fuse rating	16 A
Electrical durability	>= 100000 cycles
Number of terminals	7 screw terminals
Clamping connection capacity	2 x 1.5...1 x 4 mm <sup>2</sup>
Shape of screw head	Minus head
Wire stripping length	10 mm

Information displayed	Temperature in °C white Time green Operating mode red Operating time counter
Material	Metal fixing frame PA (polyamide) 6 GF20 FR casing
Display type	OLED screen
Display resolution	96 x 96 pixels
Display material	Plastic
Display size	44 mm
Height	71 mm
Width	71 mm
Depth	51 mm
Embedding depth	32 mm
Product weight	0.22 kg
Product compatibility	To be completed with System M design frame To be completed with Artec/Antique design frame

## Environment

Type of packing	Carton
Ambient air temperature for storage	-5...50 °C
Ambient air temperature for operation	-10...35 °C
Relative humidity	0...95 %
Standards	EN 60730-2-9
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive
Product certifications	VDE SEMKO
IK degree of protection	IK04
IP degree of protection	IP20

## Offer Sustainability

Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available <a href="#">End of life manual</a>