Product data sheet
Characteristics

SE7657B5045
Roof Top Controller: Stand Alone, 2H/2C, RH sensor & control, Local scheduling

Main

Device application	Low voltage rooftop Staging equipment (RTU/HP)
Net weight	0.34 kg
Product or component type	Room controller
Product name	SE7000 Series
Device short name	SE7600B
Height	124.97 mm
Product specific application	2-stage heating 2-stage cooling
AWG gauge	AWG 22...AWG 18
Directives	89/336/EEC - electromagnetic compatibility
Width	86.87 mm
Market segment	Residential
Ambient air temperature for storage	-30…50 °C
Depth	29.97 mm
Ambient air temperature for operation	-0…50 °C
Measurement accuracy	Humidity: +/- 5 %, 20...80 % RH (non-condensing) Temperature: +/- 0.9 °F, (at 70 °F typically calibrated)
Product certifications	FCC conforming to CFR 47 part 15 class A CE C-Tick conforming to AS/NZS CISPR 22 UL listed file E27734 CCN XPAX UL listed file E27734 CCN XPAX7
Information displayed	Temperature: - 40...122 °F
Network frequency	60 Hz 50 Hz
Communication port protocol	Standalone (network ready)
Temperature setting range	4…32 °C heating -17 °C per step 12…38 °C cooling
Humidity setting range	Dehumidification: 30…95 %
Calibration certificate	1 pt
Sensor type	Single point calibrated bulk polymer RH sensor humidity 10 kOhm T2 NTC thermistor temperature
[Us] rated supply voltage	10...30 V AC 50/60 Hz
Input type	2 x dry contact
Output current	1 A digital output (maximum) 3 A digital output (inrush) <= 5 mA analog output
Output type	2 xuniversal
Output voltage	30 V AC for digital output 0...10 V DC for analog output
Standards	FCC part 15 Subpart B UL 873 CSA C22.2 No 24 ICES-003
Relative humidity	0…95 % RH, non-condensing
Storage Relative Humidity	0…95 % RH, non-condensing

Range	EcoStruxure Building Expert
Economizer	No
Humidity control	Yes
PIR cover	No
Scheduling	Yes

Complementary

Device presentation	Without cover
Rated operational power in VA	2 VA
Internal resistance	>= 2 kOhm
Connections - terminals	Screw terminal
Contact operation	5 standard push-button
Regulation loop	For heating: adjustable P regulator by -17 °C (factory setting) For cooling: adjustable P regulator by -17 °C (factory setting)
Accuracy	+/- 3 % for analog output
Range compatibility	EcoStruxure Building Expert communication card EcoStruxure Building Expert sensor EcoStruxure Building Expert temperature sensor EcoStruxure Building Expert relay EcoStruxure Building Expert sensor coverplate

Environment

Electrical insulation class	Class II

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.0 cm
Package 1 Width	15.0 cm
Package 1 Length	5.0 cm
Package 1 Weight	500.0 g

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes

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