SIEMENS

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product	Type of equipment / Product No.	RDE50.1	Room thermostat -Programmable

Product

Product line, product range

Process control	BSCE		
	1, Fengzhi East Road, Xibeiwang, Haidian District 100094, BEIJING / China		
	Management System	since	by
	ISO 9001 (Quality)	06.01.2001	LPCB
	ISO 14001 (Environment)	05.07.2005	SGS
	OHSAS 18001 (OH&S)	12.12.2011	SGS

Environmentally compatible product design

Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".

Product use	Typical energy consumption	1kWh/a	
	Maintenance	Not necessary	
		Not necessary	
Risk of fire	Fire protection according to	UL268	
	Fire load	5MJ	
Packaging	20-PAP Corrugated fibreboard	Gift box	39g
	20-PAP Corrugated fibreboard	Inlay	22g
	4-LDPE Low density polyethylene	bag	1g
	20-PAP Corrugated fibreboard	Carton Box	369g
	20-PAP Corrugated fibreboard	Card Board	28g

	Notes on disposal	One-way, recyclable	
Materials	Total weight of device		187g
		The total weight of a device may deviate from the total of the weights of all individual components due to rounding.	
Plastics	ABS; halogen-free	Front Housing	15g
	ABS; halogen-free	Rear Housing	30g
	PC; halogen-free	Mounting Plate	25g
	PC; halogen-free	Lens	22g
	ABS; halogen-free	Battery Cover	6g
	ABS; halogen-free	Right Up Button	1g
	ABS; halogen-free	Right Down Button	1g
	ABS; halogen-free	Left Button 1	1g
	ABS; halogen-free	Left Button 2	1g
	ABS; halogen-free	Left Button 3	1g
	PET; halogen-free	Laminating Film	3g
Metals	Cu alloy; nickel plated	PCB battery plate	1g
	Cu	Heat transfer slice	1g
	Steel stainless	Button Spring	1g
	Steel; nickel plated	Nut M3.0	1g
	Steel; nickel plated	Pan Head Screw M2.4	2g
	Steel; zinc plated	SCREW M3.0	1g
	Steel stainless	Battery plate	1g
	Cu alloy	Connector	2g
	Steel; zinc plated	Battery spring	1g
Others	ZN-MnO2	1st battery / accumulator	22g

PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	Relay PCBA	12g
	FR4; halogenated; solder SnAgCu	Main PCBA	42g

Special components (part of the assembled PCB)	LCD		24pcs
	relay	AgNi	5pcs
	capacitors		1pcs

Weights in brackets are already included in components declared under materials. (part of the assembled PCB)

***Variant parts list** [g]	RDE50.1											
Total weight of device	187											
Front Housing	15											
Rear Housing	30											
Mounting Plate	25											
Lens	22											
Battery Cover	6											
Right Up Button	1											
Right Down Button	1											
Left Button 1	1											
Left Button 2	1											
Left Button 3	1											
Laminating Film	3											
PCB battery plate	0											
Heat transfer slice	1											
Button Spring	0											
Nut M3.0	0											
Pan Head Screw M2.4	1											

SCREW M3.0	1											
Battery plate	1											
Connector	2											
Battery spring	0											
1st battery / accumulator	22											
Relay PCBA	12											
Main PCBA	42											
Fire load [MJ]	5											
Typical energy consumption [kWh/a]	1											
Special components (part of the												
LCD [pcs]	24											
relay	5											
capacitors	1											

Packaging												
Gift box	[g]	39										
Inlay		22										
bag		1										
Carton Box		369										
Card Board		28										

Disposal

The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

Regulation (EC) No. 1907/2006 (REACH)

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w. Contained REACH candidate substances, which will become known at a later date, are listed on the delivery note.

(Status according to the creation date of this document.)

Legal Disclaimer: This declaration is for information purpose only.

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

BSCE therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.

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