SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product	Type of equipment / Product No.	RDG204KN	Room Thermostat

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	71kWh/a	
	Maintenance	Not necessary	
		Not necessary	
Risk of fire	Fire protection according to	EN 60730	
	Fire load	7MJ	
Packaging	20-PAP Corrugated fibreboard	Folded box	38g
	20-PAP Corrugated fibreboard	Inlay	21g
	22-PAP Paper	Manual	9g
	Plastic - Other	Screw Anchor	1g

	Notes on disposal		
Materials	Total weight of device		272g
		The total weight of a device may deviate from the total of the weights of all individual components due to rounding.	
Plastics	PC; halogenated	Front Housing	19g
	PC; halogenated	Cover Lens	30g
	PC; halogenated	Rear Housing (VS)	30g
	PC; halogenated	Mounting Plate	22g
	PA66; GF 0%; halogenated	Inter Frame	8g
	PC; low-halogen	Leaf Plate	1g
	PA66; GF 0%; halogenated	Cross Spacer X 4	1g
	PA66; GF 0%; halogenated	Snap Spacer X 4	1g
	PET; halogenated	PET Flim	3g
	PET; halogenated	Spacer	1g
	PA66; GF 0%; halogenated	slider	2g
	PET; halogenated	ESD protective film	1g
	PA66; GF 0%; halogenated	Co2 spacer	2g
Metals	Steel stainless	Self-tapping screw	1g
	Steel; zinc plated	Nuts	1g
	Steel; zinc plated	Screw	1g
	Steel; galvanized	slider spring	1g
	Cu alloy	SMD contact	1g
Others		THERMAL PAD	1g
		TERMINAL BLOCK	19g
		DIFFUSER	1g

PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	Logic board	62g
	FR4; halogenated; solder SnAgCu	RDG20XKN Power board	72g
	FR4; halogenated; solder SnAgCu	FPC	2g
	FR4; halogenated; solder SnAgCu	slider pcb	1g
	FR4; halogenated; solder SnAgCu	Co2 module	3g

Special components
(part of the assembled PCB)

***Variant parts list** [g]	RDG204KN											
Total weight of device	272											
Front Housing	19											
Cover Lens	30											
Rear Housing (VS)	30											
Mounting Plate	21											
Inter Frame	7											
Leaf Plate	0											
Cross Spacer X 4	0											
Snap Spacer X 4	0											
PET Flim	2											
Spacer	0											
slider	1											
ESD protective film	0											
Co2 spacer	2											
Self-tapping screw	0											
Nuts	1											
Screw	1											
slider spring	0											
SMD contact	0											

THERMAL PAD	0											
TERMINAL BLOCK	18											
DIFFUSER	0											
Logic board	62											
RDG20XKN Power board	71											
FPC	2											
slider pcb	0											
Co2 module	3											
Fire load [MJ]	7											
Typical energy consumption [kWh/a]	71											
Special components (part of the [pcs]												

Building Parts

Packaging												
Folded box	[g]	38										
Inlay		21										
Manual		9										
Screw Anchor		1										

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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