SIEMENS

Smart Infrastructure
Building Products

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product	Type of equipment / Product No.	SC-LFSS-WR-F	LF Sndr/Str (Wall,Red,Fire)
		SC-LFSS-WW-F	LF Sndr/Str (Wall,Wht,Fire)
		SC-LFSS-CR-F	LF Sndr/Str (Clg,Red,Fire)
		SC-LFSS-CW-F	LF Sndr/Str (Clg,Wht,Fire)
	Product line, Product range	AD40i UL Notification Low Frequency Sounder Strobe	

Process control	Beijing Siemens Cerberus Electronics Ltd.		
	No.1 Fengzhi Dong Lu, Xi Bei Wang, Haidian District		
	100094, Beijing, China		
	Management System	since	by
	ISO 9001 (Quality)	06-January-2001	LPCB
	ISO 14001 (Environment)	05-July-2005	SGS
	OHSAS 18001 (OH&S)	12-December-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	0.112kWh/a 16V*0.265A*24[h/d]*365 [d/a]*0.3%/1000=0.1114272Wh/a @16v,185cd, high steady continuous tone
	Maintenance	Not necessary NA
Risk of fire	Fire protection according to	UL94
	Fire load	12MJ

Packaging	20-PAP Corrugated fibreboard	Box and insert for Wall	0 … 239g
	20-PAP Corrugated fibreboard	Box and insert for Ceiling	0 … 250g
	Notes on disposal	One-way, recyclable	

Materials	Total weight of device		450 … 461g
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.		
Plastics	ABS+PC	Faceplate Wall	0 … 157g
	PC	Optical Lens	13g
Metals	CuSn; tin-plating	Terminal flake	7g
	CuZn; passivating	Terminal screw	9g
	CuZn; tin-plating	Continuity switch	1g
	Steel; powder-coated	Speaker frame	32g
	Ferrite	Speaker Magnet	7g
	Steel; zinc plated	terminal nut	3g
Others	Cu/PVC	SPK Wire hardness	2g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	Main PCBA	72g
	AL; low-halogen; solder SnAgCu	LED board with cable	4g

Special components
(part of the assembled PCB)

Disposal	The device should not be disposed of as unsorted municipal waste. The special treatment for specific components may be mandated by law or ecologically sensible. Observe all local and applicable laws. For country-specific requirements regarding further disposal information: http://www.siemens.com/download?A6V13734633

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.)

The device is low-halogen with exception of:
PCB (TBBA); PVC cable

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.

Beijing Siemens Cerberus Electronics Ltd. 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.

A5W00570719E ##