



Environmental Product Declaration

Product

Type of equipment / Product No.	S54364-F3-A1	FDS225-R Voice sounder
	S54364-F4-A1	FDS225-W Voice sounder
	S54364-F10-A1	FDS227-RW Voice sounder beacon
	S54364-F12-A1	FDS227-WW Voice sounder beacon
	S54364-F9-A1	FDS227-RR Voice sounder beacon
	S54364-F11-A1	FDS227-WR Voice sounder beacon
	S54364-F10-A2	FDS227-RW-C Voice sounder beacon
	S54364-F12-A2	FDS227-WW-C Voice sounder beacon
	S54364-F9-A2	FDS227-RR-C Voice sounder beacon
	S54364-F11-A2	FDS227-WR-C Voice sounder beacon

Product line, product range Sinteso, Cerberus PRO, Cerberus FIT

Process control

Beijing Siemens Cerberus Electronics Ltd.
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Management System	since	by
ISO 9001	06.01.2001	LPCB
ISO 14001	05.07.2005	SGS
OHSAS 18001	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 2 ... 4kWh/a

Maintenance Not necessary
NA

Risk of fire

Fire protection according to EN-60695
Fire load 4 ... 5MJ

Packaging

20-PAP Corrugated fiber board	Gift box	40g
20-PAP Corrugated fiber board	Insert	5g
22-PAP paper	Installation instruction	4g

Notes on disposal recyclable

Materials

Total weight of device variant *) see below
The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

Plastics

PC; halogen-free	Upper Cover (Sounder,Red)	variant
PC; halogen-free	Upper Cover (Sounder,White)	variant
PC; halogen-free	Lower transparent cover (Sounder)	variant
PC; halogen-free	Upper Cover (Beacon,Red)	variant
PC; halogen-free	Upper Cover (Beacon,White)	variant
PC; halogen-free	Lower transparent cover (Beacon)	variant
PC; halogen-free	Piezo Cover	5g
Q Silicone rubber; halogen-free	Piezo sealing ring	1g
PC; halogen-free	PCB holder plastic	26g
Q Silicone rubber; halogen-free	PCB holder sealing ring	2g
PC; metallized; halogen-free	Reflector wall	variant

Metals	Steel stainless	Screw GB845-85-ST2x5-450HV-A-F G	1g
	Steel stainless	screwGB845-ST2.9x9.5_Zn2	2g
Others	Cu/PVC	Cable / Wire	1g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCB Assembly (Sounder)	variant
	FR4; TBBA; solder SnAgCu	PCB Assembly (Beacon, red light)	variant
	FR4; TBBA; solder SnAgCu	PCB Assembly (Beacon, white light)	variant

***Variant parts list**

	S54364-F3-A1	S54364-F4-A1	S54364-F10-A1	S54364-F12-A1	S54364-F9-A1	S54364-F11-A1	S54364-F10-A2	S54364-F12-A2	S54364-F9-A2	S54364-F11-A2		
Total weight of device [g]	154	154	173	173	173	173	173	173	173	173		
Upper Cover (Sounder,Red)	34											
Upper Cover (Sounder,White)		34										
Lower transparent cover (Sounder)	37	37										
Upper Cover (Beacon,Red)			24		24		24		24			
Upper Cover (Beacon,White)				24		24		24		24		
Lower transparent cover (Beacon)			37	37	37	37	37	37	37	37		
Piezo Cover	5	5	5	5	5	5	5	5	5	5		
Piezo sealing ring	1	1	1	1	1	1	1	1	1	1		
PCB holder plastic	26	26	26	26	26	26	26	26	26	26		
PCB holder sealing ring	2	2	2	2	2	2	2	2	2	2		
Reflector wall			9	9	9	9	9	9	9	9		
Screw GB845-85-ST2x5-450HV-A	0	0	0	0	0	0	0	0	0	0		
screwGB845-ST2.9x9.5_Zn2	2	2	2	2	2	2	2	2	2	2		
Cable / Wire	0	0	0	0	0	0	0	0	0	0		
Piezo element Φ50mm	4	4	4	4	4	4	4	4	4	4		
PCB Assembly (Sounder)	43	43										
PCB Assembly (Beacon, red light)			63		63		63		63			
PCB Assembly (Beacon, white light)				63		63		63		63		

Fire load [MJ]	4	4	5	5	5	5	5	5	5	5		
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Typical energy consumption [kWh/a]	2	2	4	4	4	4	4	4	4	4		
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Packaging												
Gift box [g]	40	40	40	40	40	40	40	40	40	40		
Insert	5	5	5	5	5	5	5	5	5	5		
Installation instruction	4	4	4	4	4	4	4	4	4	4		

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.

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

The device contains the following 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.
Lead titanium zirconium oxide, CAS-Nr.12626-81-2

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

The device is halogen-free 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.

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