



Environmental Product Declaration

Product

Type of equipment / Product No.	S54364-F14-A1	FDSB226-WW Sounder beacon base
	S54364-F13-A1	FDSB226-WR Sounder beacon base
	S54364-F16-A1	FDSB227-WW Voice Sounder beacon base
	S54364-F15-A1	FDSB227-WR Voice Sounder beacon base
	S54364-F16-A2	FDSB227-WW-C Voice Sounder beacon base
	S54364-F15-A2	FDSB227-WR-C Voice Sounder beacon base
	S54364-B7-A1	FDBZ221 Ring attachment
	S54364-B8-A1	FDBZ298 Blanking plate
	S54364-B5-A1	FDB228 Base (ceiling mounting)
	S54364-B6-A1	FDB229 Base deep (ceiling mounting)

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	0 ... 5kWh/a
Maintenance	Not necessary NA

Risk of fire

Fire protection according to Fire load	EN-60695 1 ... 7MJ
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Packaging

20-PAP Corrugated fiber board	Gift box	45g
4-LDPE	Poly-bag for device	1g
40_Steel	Screw-WN1412-PT4x11.5-Zinc Plating	variant
22-PAP paper	Installation instruction	9g
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	Transparent Cover	variant
PC; halogen-free	Reflector	variant
PC; halogen-free	Acoustical chamber Assembly	variant
PC; halogen-free	Piezo Cover	variant
Q Silicone rubber; halogen-free	Piezo sealing ring	variant

	PC; halogen-free	Blanking plate	variant
	PC; halogen-free	Ring attachment	variant
	PC; halogen-free	Base part	variant
	Q Silicone rubber; halogen-free	Rubber sealing plate for base	variant
	Q Silicone rubber; halogen-free	Rubber sealing ring for base	variant
	PC; metallized; halogen-free	Deep base part	variant
	Q Silicone rubber; halogen-free	Rubber sealing plate for deep base	variant
	Q Silicone rubber; halogen-free	Rubber sealing ring for deep base	variant
	Q Silicone rubber; halogen-free	Left rubber sealing for deep base	variant
	Q Silicone rubber; halogen-free	Right rubber sealing for deep base	variant
Metals	Steel; zinc plated	Screw GB845-85-ST2x5-450HV-A-F G	variant
	Steel; zinc plated	Screw GB845-ST2.9x9.5_Zn2	variant
Others	Cu/PVC	Cable / Wire	variant
	Brass/Lead Titanium Zirconium Oxide	Piezo element Ø50mm	variant
	Cu/PVC	Cable / Wire	variant
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	FDSB226-WW PCBA	variant
	FR4; TBBA; solder SnAgCu	FDSB226-WR PCBA	variant
	FR4; TBBA; solder SnAgCu	FDSB227-WW PCBA	variant
	FR4; TBBA; solder SnAgCu	FDSB227-WR PCBA	variant
	FR4; TBBA; solder SnAgCu	FDSB227-WW-C PCBA	variant
	FR4; TBBA; solder SnAgCu	FDSB227-WR-C PCBA	variant

***Variant parts list**

	S54364-F14-A1	S54364-F13-A1	S54364-F16-A1	S54364-F15-A1	S54364-F16-A2	S54364-F15-A2	S54364-B7-A1	S54364-B8-A1	S54364-B5-A1	S54364-B6-A1		
Total weight of device [g]	256	256	256	256	256	256	16	31	68	93		
Transparent Cover	71	71	71	71	71	71						
Reflector	12	12	12	12	12	12						
Acoustical chamber Assembly	88	88	88	88	88	88						
Piezo Cover	5	5	5	5	5	5						
Piezo sealing ring	1	1	1	1	1	1						
Blanking plate								30				
Ring attachment							16					
Base part									57			
Rubber sealing plate for base									7			
Rubber sealing ring for base									4			
Deep base part										83		
Rubber sealing plate for deep base										2		
Rubber sealing ring for deep base										4		
Left rubber sealing for deep base										1		
Right rubber sealing for deep base										1		
Screw GB845-85-ST2x5-450HV-A	0	0	0	0	0	0						
Screw GB845-ST2.9x9.5_Zn2	2	2	2	2	2	2						
Cable / Wire	0	0	0	0	0	0						
Piezo element Ø50mm	4	4	4	4	4	4						
Cable / Wire	3	3	3	3	3	3						
FDSB226-WW PCBA	69											
FDSB226-WR PCBA		69										
FDSB227-WW PCBA			69									
FDSB227-WR PCBA				69								
FDSB227-WW-C PCBA					69							
FDSB227-WR-C PCBA						69						
Fire load [MJ]	7	7	7	7	7	7	1	1	2	3		
Typical energy consumption [kWh/a]	5	5	5	5	5	5						

Packaging

Gift box
Poly-bag for device
Screw-WN1412-PT4x11.5-Zinc P
Installation instruction

[g]	45	45	45	45	45	45	45	45	45	45		
	0	0	0	0	0	0	1	1	0	0		
	5	5	5	5	5	5						
	9	9	9	9	9	9	9	9	9	9		

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.