



## Environmental Product Declaration

|   |   |  |                                  |
|---|---|--|----------------------------------|
| <b>Product</b>  | 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 |   |  |                                  |
| <b>Process control</b>  | Beijing Siemens Cerberus Electronics Ltd.<br>No.1 Fengzhi Dong Lu, Xi Bei Wang, Haidian District<br>100094, Beijing, China  |  |                                  |
|   | Management System   | since  | by                               |
|   | ISO 9001  | 06.01.2001   | LPCB                             |
|   | ISO 14001   | 05.07.2005   | SGS                              |
|   | OHSAS 18001   | 12.12.2011   | SGS                              |
| <b>Environmentally compatible product design</b>                | 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". |  |                                  |
| <b>Product use</b>  | Typical energy consumption  | 2 ... 4kWh/a   |                                  |
|   | Maintenance   | Not necessary<br>NA  |                                  |
| <b>Risk of fire</b>   | Fire protection according to Fire load  | EN-60695<br>4 ... 5MJ  |                                  |
| <b>Packaging</b>  | 20-PAP Corrugated fiber board   | Gift box   | 40g                              |
|   | 20-PAP Corrugated fiber board<br>22-PAP paper   | Insert<br>Installation instruction   | 5g<br>4g                         |
|   | Notes on disposal   | recyclable   |                                  |
| <b>Materials</b>  | Total weight of device  | variant *) see below<br>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 |  |  |
|----------------|---|---|---|---|---|---|---|---|---|---|--|--|

|                                    |   |   |   |   |   |   |   |   |   |   |  |  |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|--|--|
| Typical energy consumption [kWh/a] | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |  |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|--|--|

|                          |    |    |    |    |    |    |    |    |    |    |  |  |
|--------------------------|----|----|----|----|----|----|----|----|----|----|--|--|
| 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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