

Certificate

of

Constancy of Performance

Certificate No.: 0560-CPR-142190008
Issue: 00

In compliance with the procedure specified in RD_090, Telefication declares as designated Notified Body for the European Construction Products Regulation, that the stated products, evaluated according Annex 1 of this certificate, are in conformity with Regulation (EU) No 305/2011, based on the applicable Technical Standards and Specifications as listed under Annex 2 of this Certificate.

Product description: **Marine Horn Loudspeaker 15W**
Trademark: **Bosch**
Family name: --
Type designation: **LH2-UC15E**
Serial No: --
Hard-/Software release No: --

Manufacturer: **CES Audio Inc.**
Address: **2F, No. 31-1, Lane 112, SiWei Road, Banqiao District**
City: **220 New Taipei City**
Country: **Taiwan, Republic Of China**

This certificate is granted to:

Name: **Bosch Security Systems B.V.**
Address: **Torenallee 49**
City: **5617 BA Eindhoven**
Country: **Netherlands**

This certificate is valid as long as the requirements laid down in the technical specification(s) listed in Annex 2 do not change, and the product and the manufacturing conditions in the factory and the factory production control are not modified significantly.

This certificate has THREE Annexes.
Zevenaar, 07 September 2015



i.o.


W.J.M. Jong
Manager Product Certification



- Each product to which this Certificate of Constancy of Performance relates (see Annex 3 of this certificate), has been placed under the scope of the Construction Products Directive by EU Commission decision 96/577/EC and therefore falls under the Construction Products Regulation 305/2011 after July 1st 2013.
- There is a presumption of conformity with respect to the requirements as listed in Annex I of the Construction Products Directive and Construction Products Regulation 305/2011, when all applicable harmonised standards listed in the Official Journal of the EU are being applied.
- This certificate is part of the Assessment and Verification of Constancy of Performance system 1, as described in annex V of the Construction Products Regulation and made applicable by EU Commission decision 96/577/EC.
- The validity of this Certificate of Constancy of Performance is limited to products, which are equal to the one(s) assessed for this Certificate of Constancy of Performance (see Annex 3 of this certificate).
- When the manufacturer (or holder of this Certificate of Constancy of Performance) is placing the products on the European market, he is obliged to label the products with the prescribed CE logo and the Notified Body number of Telefication: 0560. The CE logo stands for conformity to all applicable directives. This Certificate of Constancy of Performance is limited to the Construction Products Regulation.

Remarks and observations

The following conditions are applicable:

Environmental type: B

Essential characteristics of EN 54-24:	Clauses in this European Standard	Performance
Performance under fire condition	4.2, 5.2, 5.3, 5.4, 5.5	Pass **
Operational reliability	4.3, 4.4, 4.5, 5.6, 5.18	Pass
Durability of operational reliability		
Temperature resistance	5.7, 5.8, 5.9	Pass
Durability of operational reliability		
Humidity resistance	5.10, 5.11, 5.12	Pass
Durability of operational reliability		
Corrosion resistance	5.13	Pass
Durability of operational reliability		
Impact and vibration resistance	5.14, 5.15, 5.16, 5.17	Pass

** The product(s) covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.

Documentation lodged for this Certificate of Constancy of Performance

Test Reports:

- Telefication B.V.: 20144122800 Ver. 1.00, 20 July 2015
- Telefication B.V.: 20144122200 Ver. 1.00, 20 July 2015

Product Documentation:

- Assembly drawings
- Bill of materials
- Electric diagrams
- Photos
- User manual
- Declaration of Performance

Technical Standards and Specifications

The product shows no non-compliances with:

- EN 54-24: April, 2008

Technical features and characteristics

The product includes the following features and characteristics:

Not specified

The product as described in this certificate includes the following type designations:

- Product description: Marine Horn Loudspeaker 15W
- Trademark: Bosch
- Type Designation: LH2-UC15E