

# EC Type Examination Certificate

## Notified Body 0729

This is to certify that ABS Europe Ltd., as a Notified Body under the authorization of UK MCA by Merchant Shipping Equipment Regulation, SI 1999, Number 1957 and M Notice Number 1734, as amended, did undertake the relevant type examination procedure of the product listed and same was found to be in compliance with the provisions of these Regulations and EU Directive 96/98/EC of 20 December 1996 as amended by EU Directive (EU) 2015/559

ANNEX A.1 ITEM NUMBER: A.1/3.53

CERTIFICATE NUMBER: 11-LD696333-1-EC

APPLICANT: Eaton Electrical Products Limited

PLANT LOCATION: Cwmbran, South Wales, UK

PORT OFFICE: Bristol Station, UK

PRODUCT DESIGNATION: Fire Alarm Devices - Sounders

Model: CFBXD24-GC-P and FB/024-GC/CC/L-P6"

STANDARDS AND REGULATIONS:

SOLAS Regulations II – 2/7 and X/3  
IMO Resolution MSC98(73)- (FSS Code) Chapter 9,  
MSC.36(63)-(1994 HSC Code) 7, MSC.97(73)-(2000 HSC Code) 7,  
MSC.98(73)-(FSS Code) 9 and MSC.1/Circ.1242

EN54-3(2001) including A1 (2002) and A2(2006), IEC 60092-504 (2001)  
Corrigendum 1 (2011) and IEC 60533 (1999)

THIS CERTIFICATE IS ISSUED IN COMPLIANCE WITH CONFORMITY ASSESSMENT **MODULE B** OF THE REGULATIONS AND DIRECTIVES LISTED ABOVE.

ISSUE DATE: 19 August 2016

EXPIRATION DATE: 07 June 2021

SIGNATURE:



Serkan Balakan

Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to being placed on board vessels to which the amended regulations or standards apply.

This "Mark of Conformity" may only be affixed to the above equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase Module (D, E or F) of Annex B of the Directive is fully complied with and controlled by a written agreement with a Notified Body.

The attached document list forms part of this Certificate.

**Certificate No.:**

11-LD696333-1-EC

**Entry Date:**

19 August 2016

**Name of Equipment/  
Component Manufacturer:**

Eaton Electrical Products Limited  
Llantarnam Park  
Cwmbran  
United Kingdom  
NP44 3AW

Tel: +44-16332-628-558  
Fax: +44-1633-866-346  
Website: www.fulleon.co.uk

**Additional Manufacturing Plant:**

Digital Lighting (Dongguan) Co., Ltd  
Xin Min Road, Xin Min District  
Changan Town  
Dongguan City  
Guangdong Province 523879  
P.R. China

Tel: +86-769 81 66 78 88  
Fax: +86-769 81 66 71 88

**Equipment/Component:**

Fire Alarm Devices - Sounders

**Model:**

CFBXD24-GC-P and FB/024-GC/CC/L-P 6"

**Description:**

Conventional motorized bells with high audio output, and with two variants F and CF Bells. Product coding are FB/024-GC/CC/L-P 6" (150mm) and CFBXD24-GC-P. CFBXD24-GC-P has three standard sizes of bell: 4" (100mm), 6" (150mm) and 8" (200mm).

**Intended Service:**

Alarm Bell used in marine and offshore applications

**Ratings:**

Supply Voltage: 20 to 28 V DC  
Temperature: -10 degree C to 55 degree C  
Power Consumption: 18-28mA  
Sound Level: 84 to 97 dB (A)  
Enclosures: IP 21C

**Comments:**

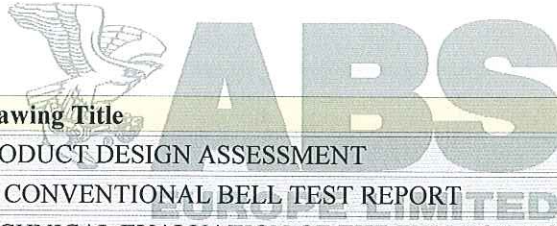
Approved in accordance with the requirements for Fire Alarm Devices - Sounders, item A.1/3.53 of the European Union Marine Equipment Directive 96/98/EC as Amended by Directive (EU) 2015/559.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the Notified Body named on this certificate.



The "Mark of Conformity" may only be affixed to the above equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Annex B of the Directive is fully complied with and controlled by a written agreement with a Notified Body.

**Drawing Schedule:**

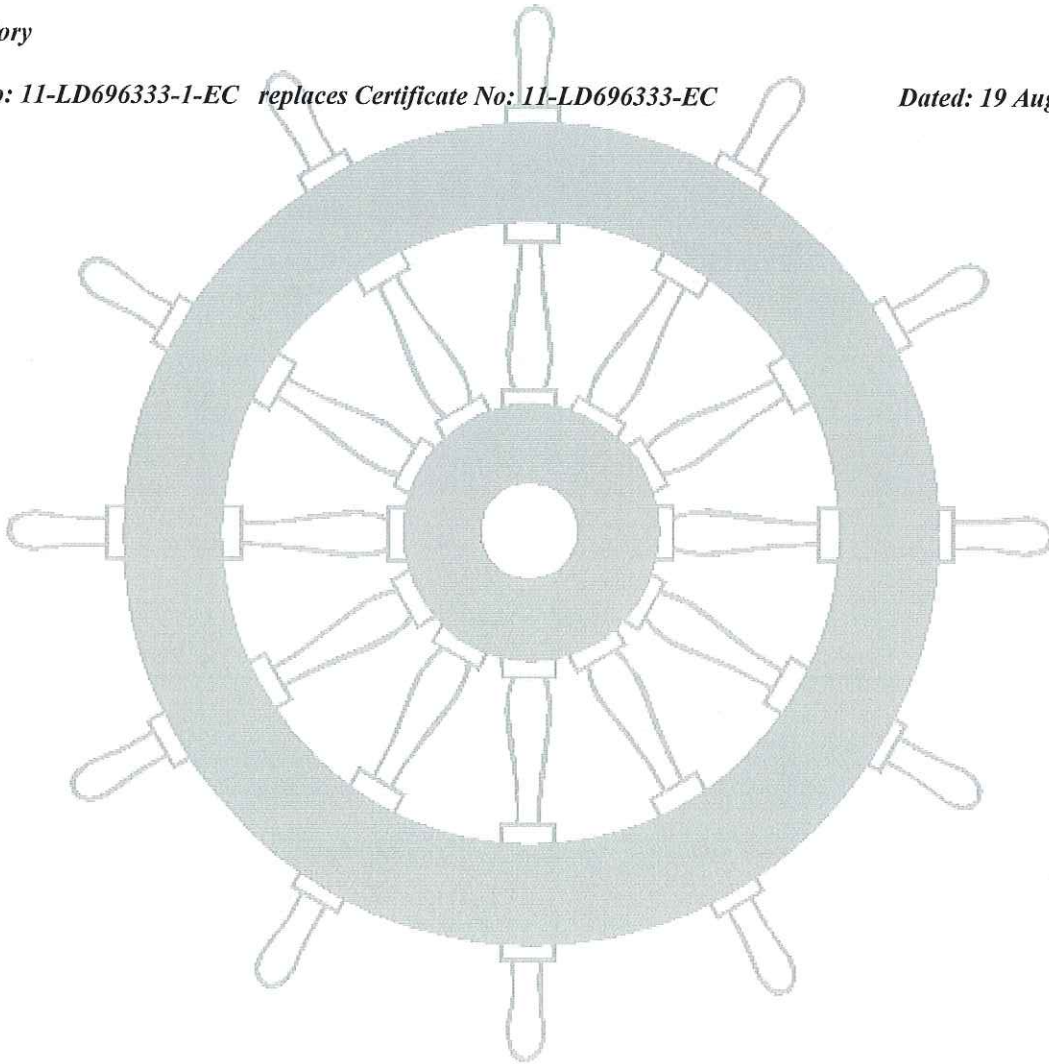


Drawing No	Drawing Title
16-LD1529515-PDA	PRODUCT DESIGN ASSESSMENT
TE219978	CF CONVENTIONAL BELL TEST REPORT
TE219979	TECHNICAL EVALUATION OF THE FULLEON F CONVENTIONAL ELECTRONIC BELL RANGE

**Revision History**

Certificate No: 11-LD696333-1-EC replaces Certificate No: 11-LD696333-EC

Dated: 19 August 2016



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