

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Speakers**with type designation(s)
DB4B, DB10, DB20C

Issued to

Eaton MEDC Ltd
Sutton-in-Ashfield, Nottinghamshire, United Kingdomis found to comply with
IEC 60945 Ed. 4 (2002-08) Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results**Application :****See page 2.****The approval is extended for a period of 6 months based on a sighting survey/audit as a normal renewal audit was not possible due to the COVID-19 situation.**Issued at **Høvik** on **2021-01-21**for **DNV GL**This Certificate is valid until **2021-07-21** .DNV GL local unit: **Manchester**Approval Engineer: **Steinar Kristensen****Marta Alonso Pontes**
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Job Id: **262.1-017443-3**
Certificate No: **TAA000006H**
Revision No: **2**

Product description

Eaton MEDC Loudspeakers models as specified below:

Type designation	Type	Location
DB4B	Loudspeaker	Exposed
DB10	Loudspeaker	Exposed
DB20C	Ceiling Loudspeaker	Exposed

Application/Limitation

- Loudspeakers are to be installed according to manufacturer's specifications.
- Any Ex-equipment (equipment to be used in areas with explosive atmosphere) listed in this certificate are subject to separate Ex- approvals.

Type Examination documentation

DNV GL No	Document ID	Rev.	Description
32	AXTF-17004	1	Report: AXIS test laboratories, DB-20 Loudspeaker (Dry Heat Test, 8W version)
29	TM208	D	Manual: Eaton MEDC, Technical Manual for the Speaker - DB20 / DB20C
28	TM231	E	Manual: Eaton MEDC, Technical Manual for the Loudspeaker - DB10
27	TM252	D	Manual: Eaton MEDC, Technical Manual Loudspeaker - DB4B
16	AXTF14010-06	3	Report: Axis test laboratories, IEC60945 test report for DB20C Ceiling Loudspeaker
15	AXTF14010-07	3	Report: Axis test laboratories, IEC60945 test report for DB10 Loudspeaker
14	AXTF14010-08	3	Report: Axis test laboratories, IEC60945 test report for DB4B Loudspeaker

Tests carried out

- Environmental testing, IEC 60945 (2002)

Marking of product

The name and contact address of the manufacturer and type designation of the product shall be affixed to the equipment in a clearly visible location. In addition the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage and reference to the Type Approval certificate number.

Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. Additionally, a renewal assessment is to be performed at renewal of the certificate.

The scope of the periodical/renewal assessment is to verify that the production quality conditions stipulated for the type approval are complied with and that no alterations are made to the product design or its components and/or materials without appraisal by the Society.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnvgl.com>