

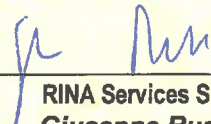


**TYPE APPROVAL CERTIFICATE**  
**No. ELE333817XG**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Sounders and Strobes</b>
<i>Type</i>	<b>DB4B</b>
<i>Applicant</i>	<b>Eaton MEDC Limited Unit B, Sutton Park Way Oddicroft Lane NG17 5FB Sutton in Ashfield</b>
<i>Manufacturer</i>	<b>Eaton MEDC Limited</b>
<i>Place of manufacture</i>	<b>Unit B, Sutton Park Way Oddicroft Lane NG17 5FB Sutton in Ashfield</b>
<i>Reference standards</i>	<b>RINA Rules for the Classification of Ships Part C, - Machinery , Systems and Fire Protection - Ch. 3; Sect. 6; Tab. 1</b>

*Issued in* **Hamburg** on **December 1, 2017**. *This Certificate is valid until* **November 30, 2022**

  
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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



## TYPE APPROVAL CERTIFICATE

No. ELE333817XG

Enclosure - Page 1 of 1

DB4B

### Product description:

The DB4B series are weatherproof loudspeaker for installation in hazardous areas, inside and outside of the vessel.

### Main characteristics:

Hazardous Areas: Zone 1, Zone 2 & non-Ex use.  
Ingress Protection: IP66 & IP67  
Material: Ex enclosure - Flame retardant, UV stable Glass Reinforced Polyester  
Flare - Flame retardant, UV stable thermoplastic polyester  
Output: min. 110 dBA at 1W at 1 meter  
max. 124 dBA at 25W at 1 meter (long flare IIC version)  
Transformer: 100V line or 8Ω  
Entries: Up to 2 x M20 or 1/2" NPT. Blanking plug available  
Weight: Ex d - 5kg, Ex de 5.8kg. Based on long flare with transformer  
Tappings: 25, 12.5, 6, 4, 2, 1 (at 25W)  
Options: Power (8W, 15W, 25W), body color, suitable for Gas or Gas and Dust, Ex atmospheres,...

### Product code:

DB4B aa b cc dd e ff g h  
aa - Certification: xx  
b - Ex atmosphere: N, G, GD  
cc - Wattage: 8, 15, 25  
dd - Transformer: N, 25, 70, 100  
e - Labels: N, D, T  
ff - Entries: 1B, 2B, 2BP, 1C, 2C, 2CP  
g - Options: B, C, G, N, S  
h - Finish: B, G, N, R, S, Y

### Documents:

- 2399-132 Rev. A dated 18/02/2014; DSMC0034/B dated August 2016; TM252 Issue C dated 06/17;  
- Valox 357XU Data Sheet;

### Test reports:

Axis Test Laboratories Ltd.: - AXTF 14010-08 Issue 3 dated 1 September 2015;  
Exova Warringtonfire: - 313440 dated 2 December 2011;  
SGS Baseefa Ltd.: - Baseefa13ATEX0229X/1 dated 8 September 2015; Baseefa13ATEX0231X dated 2 December 2013;  
- Baseefa13ATEX0232X/2 dated 8 September 2015; Baseefa13ATEX0233X/4 dated 8 September 2015;  
- T13/0762 dated 16 February 2015

### Remarks:

- The products fulfill EC-Code: 31/41S.  
- Loudspeakers are to be installed according to manufacturer's specifications.

Hamburg December 01, 2017



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