

1. **EU-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres**  
**Directive 2014/34/EU**

3. EU-Type Examination Certificate Number: **EESF 20 ATEX 087X**

4. Product: **Hearing protector with speakers**

Certified types: **NOISE-COM 400 Ex**

5. Manufacturer: **Savox Communications Oy Ab**

6. Address: **Keilaranta 15 B, FI-02150 ESPOO, Finland**

Additional manufacturing locations:

1. **SAVOX Communications Oy Ab, Schaumanintie 26, FI-57230 SAVONLINNA, Finland**
2. **Savox Communications (Shenzen) Co. Ltd, 7th Floor, Building #2, Hong Hui Industrial Park, Liu Xian 2nd Road, 68th Subdistrict, Baoan, Shenzen, China**

7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Eurofins Expert Services Oy, Notified Body number 0537, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report No. EUFI29-20002348-T1.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-11:2012**

10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:



**II 2G Ex ib IIC T4 Gb**

**II 2D Ex ib IIIC T135 °C Db**

**Ta: -20 °C ... +60 °C**

Espoo, 25.01.2021

**Eurofins Expert Services Oy**

Ilkka Riihimäki  
Senior Expert

Kari Koskela  
Senior Expert

This document is digitally signed.

13. **Schedule**

 14. **EU-Type Examination Certificate EESF 20 ATEX 087X**

 15. **Description of Product**

The NOISE-COM 400 Ex is hearing protector with cup-in speakers and 3,5 mm jack for connecting different types of communication microphones. For external radio or/ radio accessories there is four pole QR4/Nexus connector. The device is composed of two (2) printed circuit boards. Both PCB's provide mechanical attachment to Protector cup and speaker. Left side PCB is used for electrical signal routing. PCB's are located inside ear cups. Speakers are dynamic type with impedance of 150 Ohm. There is an external cable connecting left and right cup speakers.

Electrical parameters:

$U_i = 8,7 \text{ V}$

$I_i = 0,164 \text{ A}$

$P_i = 0,333 \text{ W}$

$L_i = 900 \mu\text{H}$

$C_i = 10 \text{ nF}$

 16. **Report Number**

EUF129-20002348-T1

 17. **Specific Conditions of Use**

1. Allowed ambient temperature range is  $T_{amb} -20 \text{ }^\circ\text{C}$  to  $+60 \text{ }^\circ\text{C}$ .
2. The capacitance of bare metallic wires is 7 pF. This shall be taken into account when handling the device.

 18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

 19. **Drawings and Documents**

Drawings and documents are listed in the confidential report.

 20. **Certificate History**

Issue	Date	Report No.	Change
EESF 20 ATEX 087X	25.01.2021	EUF129-20002348-T1	Original release