

[1] EC-TYPE EXAMINATION CERTIFICATE

**[2] Equipment or Protective System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

- [3] **EC-Type Examination Certificate Number:** Nemko 12ATEX1277 **Issue 0**
- [4] **Equipment or Protective System:** Offshore Ear plug
- [5] **Applicant/ Manufacturer:** A-Kabel AS
- [6] **Address:** Postboks 64
2151 Årnes
Norge
- [7] **This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.**
- [8] **Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems 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. 207610**
- [9] **Compliance with the Essential Health and Safety Requirements has been assured by compliance with:**

CENELEC EN 60079-0: 2009, CENELEC EN 60079-11 : 2007
- [10] **If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.**
- [11] **This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.**
- [12] **The marking of the equipment or protective system shall include the following:**



II 2G

Ex ib IIC T4 Gb

Oslo, 2012-12-07



Asle Kaastad
Certification Manager, Ex-products

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 12ATEX1277 Issue 0****[15] Description of Equipment or Protective System**

Offshore earplug EM2140DC-S for connection between a certified radio transceiver, key switch and/or headset.

The offshore earplug EM2140DC-S is certified to use with the following key-switch

| Name | Type designation: | Configuration: | Certificate no: |
|-------------------|-------------------|----------------|---------------------------|
| <i>Key-switch</i> | <i>AK6713W</i> | <i>B</i> | <i>Nemko 09 ATEX 1151</i> |

Type Designation

EM2140DC-S.

Safety parameters for the offshore earplug:

Ui: 9,0V, Ii: 300 mA, Pi: 0,6 W Ci: Negligible, Ri:828 Ω, Li=3,497 mH, Li/Ri: 4,22μH/Ω

In addition the Offshore earplug may be connected to headset where the total input parameters match the output parameters of the Key-switch.

Ingress Protection Code

IP20

[16] Report No 207610**Descriptive documents:**

| Title/Description | Rev. | Date | Name/Number | Sheets |
|--|------|------------|----------------------------------|--------|
| Label Offshore Earplug rev. 1. 12ATEX1277 | 1 | 01.11.2012 | EM2140DC-S Configuration A and B | 1 |
| A-kabel AS Safe Sound Audio AS | 1 | 10.11.2011 | EM2140DC-S | 1 |
| Knowles Electronics, Itasca, Illinois U.S.A | B | 08-23-07 | BK-21613-000 | 1 |

Certificate History and Associated Nemko Reports

| Issue | Date | Report | Description |
|-------|------------|--------|----------------------------|
| 0 | 2012-12-07 | 207610 | Prime certificate released |

Routine Test

None

[17] Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

See item 9

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