

[1] EC-TYPE EXAMINATION CERTIFICATE

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

[3] EC-Type Examination Certificate Number: **Nemko 09ATEX1256**

[4] Equipment or Protective System: **Key-switch (push button)**

[5] Applicant/ Manufacturer: **A-Kabel AS**

[6] Address: **Postboks 64, Nedre Hagavei
2151 Årnes
Norway**

[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. 135685

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

CENELEC EN 60079-0: 2006
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 2 G

Ex ib IIC T4 -20°C ≤ Ta ≤ 40°C

Oslo, 2009-10-01



Rolf Hoel

Certification Manager, Ex-products

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 09ATEX1256****[15] Description of Equipment or Protective System**

Key switch (push button) AK6612WA for connection between a certified radio transceiver and a certified head-set.

The equipment is certified to be used with the following headsets in addition to certified headsets where the input parameters match the output parameters of the key switch as specified in this certificate:

- A-KABEL AS AK5850/6631 Nemko 03ATEX1351
- PELTOR AB MT7H79 series Nemko 02ATEX059X
- PELTOR AB MT1H7 series VTT 06ATEX087X

Type designation

AK6612WA

Safety Parameters for the Key Switch

Ui: 8,4V, Ii: 1,5A, Ci: 52nF, Li=Negligible

The input parameters of the key switch, with a connected head set, shall match the certified output parameters of the connected radio transceiver.

Uo: 8,4V Io: 270mA, Po: 0,57W Co: 6,2µF, Lo: 0,46mH

The output parameters of the key switch shall match the certified input parameters of the connected head-set.

Ingress Protection Code

IP 20

[16] Report No. 135685**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Dok. User info. AK6612WA	Nemko 09ATEX1256	1	18.02.09	1
Dok. Marking AK6612WA	Certificate no. 09ATEX1256	1	18.02.09	1
Pcb connector GP340 MTP850EX	S046B	B	20.04.09	1
Mike amp. & headset interface	S063A	A	20.04.09	1
Safety barriere interface	S064A	A	20.04.09	1
Safety barriere interface	B064A	A	18.02.09	3
Mike amp. & headset interface	B063A	A	18.02.09	3
Pcb connector GP340 MTB850EX	B046B	B	18.02.09	3

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Bill of materials	46B Bill of materials	A	18.02.09	1
Bill of materials	63A bill of materials	A	18.02.09	1
Bill of materials	64A bill of materials	A	18.02.09	1
Assembly drawing	AK6612WA assy ½ PTT UNIT A	A	24.09.09	1
Assembly drawing	AK 6612WA 2/2 INTERFACE UNIT M1	A	24.09.09	1
AK6612WA system connections	AK6612WA	A	29.09.09	1

[17] **Special Conditions for Safe Use**

[18] **Essential Health and Safety Requirements**
See item 9

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