

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 23 ATEX 95140** Issue 0

[4] Product: **Key-switch (push button)**

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

[6] Address: **Nedre Hagavei 15C
2150 Årnes
Norway**

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

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 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 reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018 and EN 60079-11:2012**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. 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 2 G Ex ib IIC T4 Gb

Date of issue:
2023-04-28



Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info



[13]

Schedule

[14] **EU-Type Examination Certificate No:** DNV 23 ATEX 95140 **Issue 0**

[15] **Description of Product**

Key switch (push button) AK6724W for connection between a certified radio transceiver and a certified head-set.

The equipment is certified to use with certified headsets where the input parameters match the output parameters of the key switch and certified radios where the output parameters match the input parameters of the key-switch, as specified in this certificate.

AK6916: Accessory cable for connection between key-switch and headset.

Type designation

Key-switch: AK6724W

Accessory cable: AK6916

Intrinsic Safety Data

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 headset. (The output parameters of the cable are equal to the output parameters of the key-switch.)

Degrees of protection (IP Code)

IP 20

Ambient temperature:

-20°C to +40°C

Routine tests

None

[16] **Report No.:** PRJN-513490

[17] **Specific Conditions of Use**

None

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
DNV 23 ATEX 95140	Dok. User info. AK6724W	1	20.02.23
User Guide for Adapter cable AK6916	User Guide for Adapter cable AK6916	1	20.02.23
Certificate no. 09ATEX1082	Dok. Marking AK6724W	2	20.02.23
Adapter cable AK6916	Adapter cable AK6916	1	20.02.23
S046B	Pcb connector GP340 MTP850EX	B	20.04.09
S063A	Mike amp. & headset interface	A	20.04.09
S064A	Safety barriere interface	A	20.04.09
B064A	Safety barriere interface	A	18.02.09
B063A	Mike amp. & headset interface	A	18.02.09
B046B	Pcb connector GP340 MTB850EX	B	18.02.09
46B Bill of materials	Bill of materials	A	18.02.09
63A bill of materials	Bill of materials	A	18.02.09
64A bill of materials	Bill of materials	A	18.02.09
AK 6724 W assy ½ PTT UNIT A	Assembly drawing	A	23.03.09
AK 6724 W assy 2/2 INTERFACE UNIT M1	Assembly drawing	A	20.03.09
AK6724w	AK6724w system connections	A	18.02.09

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue (Replace Nemko 09 ATEX 1082)	2023-04-28	PRJN-513490

END OF CERTIFICATE