

[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **Nemko 09ATEX1119X** Issue 4

[4] Product: **Headset with microphone and speaker,
twin cup.**

[5] Manufacturer: **3M Svenska AB**

[6] Address: **Malmstengatan 19
Box 2341
SE-33102 Värnamo
Sweden**

[7] This product 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 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.

D0001834-02

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

EN IEC 60079-0: 2018, EN 60079-11: 2012

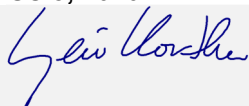
[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[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 2 G Ex ib IIC T4 Gb, Ta : -20°C to +50°C

Oslo, 2020-12-14



Geir Hørthe
Certification Manager

[13] Schedule

[14] **EU-TYPE EXAMINATION CERTIFICATE No** **Nemko 09ATEX1119X** **Issue 4**

[15] **Description of Product**

The headset consists of two headphones and a microphone connected to a common plug (jack plug). This certificate covers two models, one with headband and one with helmet attachment.

Type Designations

MT72H540P3E-50

Electrical Safety Parameters

Ui: 14V, Ii: 450mA, Pi: 1,3W, Ci: Negligible, Li: 0,8mH

Ambient temperature:

-20°C to +50°C

Routine tests

None.

[16] **Report No. D0001834-02**

Descriptive Documents

Number	Title	Rev	Date
P080130	Assembly Drawing MT72H540F-50	c	2015-04-30
P080137	Assembly Drawing MT72H540P3E-50	c	2015-04-30
P080139	Wiring Instruction MT72H540**-50	a	2008-02-22
P080436	Ex Label MT72H540P3E-50	e	2020-11-23
FP3768	Instruction Manual	c	2020-12-09
CH-HTS-230-C276FG	APPROVAL SHEET FOR DYNAMIC HEADPHONE SPEAKER	S4	2014-12-15
-	Datasheet M01N-02 from Four Leafs	e	2020-07-02

Certificate History and Associated Reports

Issue	Date	Report	Description
0	2009-04-27	Nemko 126520	Prime Certificate released
1	2011-09-20	Nemko 187494	Increased the current in safety parameters for intrinsically safe connection and added a microphone, M01N-02.
2	2015-05-08	D0001834-0 / Nemko 284573	Update to new standards.
3	2018-10-04	D0001834-1 / Nemko 361471	Minor update of marking label and instructions due to PPE regulation 2016/425/EU.
4	2020-12-14	D0001834-02	Update of datasheet for microphone and speaker. Model type MT72H540F-50 removed from certificate. Minor update of marking label and instructions manual. Upgrade to standard EN 60079-0: 2018.

[17] **Specific Conditions of Use**

Only for connection to a certified intrinsically safe circuit with a linear resistive output, that complies with the following values for the electrical safety parameters of MT72H540P3E-50:

Ui: 14V, Ii: 450mA, Pi: 1,3W, Ci: Negligible, Li: 0,8mH

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

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9