

[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 09ATEX1114X Issue 1
- [4] Equipment or Protective System: Standard Headset, with microphone and speaker
- [5] Applicant/ Manufacturer: 3M Svenska AB
- [6] Address: Box 2341
SE-331 02 Värnamo
SWEDEN
- [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. 188077
- [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 2G

Ex ib IIC T4 -20°C ≤ Ta ≤ +50°C

Oslo, 2011-10-03



Asle Kaastad
Certification Manager, Ex-products

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[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No **Nemko 09ATEX1114X** Issue 1

[15] Description of Equipment or Protective System

This Certificate covers a standard headset series, with microphone and loudspeaker.

Type Designations:

MT7H79F-50
 MT7H79B-50
 MT7H79P3E-50
 MT7H79P3G-50
 MT7H79P3K-50
 MT7H79P3N-50

Safety parameters for intrinsically safe connection:

Maximum input voltage, $U_i=14V$
 Maximum input current, $I_i=450mA$
 Maximum input power, $P_i=1.3W$
 Maximum internal capacitance, $C_i=Negligible$
 Maximum internal inductance, $L_i=0.8mH$, $L_i/R_i=3.1\mu H/\Omega$

[16] Report No. 188077

Descriptive Documents

Name/Title	Drawing No.	Rev	Date
Specifications of documents - HTM	P020043	-	2004-05-17
Product Description. Cup with microphone holder, Eex approved	7960-01 BA	-	2001-12-17
Product Description. Cup, Eex, Blue	7950-01 BA	-	2001-12-17
Assembly drawing MT7H79P3N-50 Headset	P060633	a	2006-12-18
Assembly drawing P3NG-F Helmet attachment with friction cage	P060631	a	2006-12-18
Product description Headset helmet attachment, EEX	MT7H79P3N-50	-	2006-12-18
Datasheet UDU-19RK-N from KTEL Corp.	-	-	2005-09-09
Assembly drawing J22C-02	P060281	a	2006.09.21
Label layout for MT*H79*-5*	P080510	b	2009-09-25
Instruction manual	FP3607	d	2011-09-26
Datasheet M01N-02 from KTEL Corporation	-	-	2011-06-27
Datasheet MT91-50 from Savox communications	D21824A	a	2007-08-27

Certificate History and Associated Nemko Reports

Issue	Date	Report	Description
0	2010-01-15	142207	Prime Certificate released
1	2011-09-23	188077	Increased the current in safety parameters for intrinsically safe connection and added one dynamic microphone, M01N-02 and one throat-com dynamic microphone, MT91-50.

[17] Special Conditions for Safe Use

For electrical parameters for safe connection to other equipment for the different type designations see Safety parameters for intrinsically safe connection.

[18] Essential Health and Safety Requirements

See item 9

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