



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX PRE 19.0050X	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2022-04-26)
Date of Issue:	2024-01-31		Issue 1 (2021-07-07)
Applicant:	3M Svenska AB Malmstensgatan 19 331 41 Värnamo Sweden		Issue 0 (2019-12-18)
Equipment:	Headset		
Optional accessory:	Three different adapter cables: FLX2-205-50, FLX2-205M-50 and FLX2-203-50..		
Type of Protection:	Intrinsic safety		
Marking:	Ex ia I Ma Ex ia IIC T4 Ga Ex ia IIIC T ₂₀₀ 135°C Da *-20°C ≤ Ta ≤ +40°C **-20°C ≤ Ta ≤ +50°C		

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **3M Svenska AB**
Malmstensgatan 19
331 41 Värnamo
Sweden

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NO/PRE/ExTR19.0048/03](#)

Quality Assessment Report:

[NO/NEM/QAR09.0005/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

This Certificate covers a headset series, CH-3. The 112 versions have only loudspeakers. The model range includes models with headband or helmet attachment.

The headset types listed in this certificate may be connected to an intrinsically safe radio, or other associated apparatus, with a permanently connected cable with plug in connector.

The headsets can also be connected by using cable type FLX2 included in this certificate or by selecting a cable according to valid provisions for installation (e.g., IEC 60079-14).

CH-3 FLX2 Listen Only

HT52A-112-50 or HT52P3E-112-50

112 has only 2 speakers, and no microphone.

A: Headband P3E: Helmet attachment

SPECIFIC CONDITIONS OF USE: YES as shown below:

Maximum ambient temperature 50 degrees Celsius --> Pi: 1,25W

Maximum ambient temperature 40 degrees Celsius --> Pi: 1,3W

Only for connection to a certified intrinsically safe radio with a linear resistive output, that complies with the following values for the intrinsic safety parameters of CH-3 FLX2 Listen Only:

Ui: 8,4V, Ii: 450mA, Pi: 1,3W/1,25W, Ci: Negligible, Li: 0,79mH, Li/Ri: 5μH/Ω



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Equipment (continued):

Intrinsic Safety Parameters:

112 version: Ui: 8,4V, Ii: 450mA, Pi: 1,3W*/1,25W** Ci: Neg., Li: 0,79mH, Li/Ri: 5μH/Ω

See also *Specific Conditions*.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Removal of non-Ex important information from schedule documents, new document numbers, added Ex important information to new document numbers.