



Mining And Surface Certification (Pty) Ltd

2015/021934/07

THIS CERTIFICATE IS ISSUED AS AN I.A. CERTIFICATE IN TERMS OF THE MINE HEALTH AND SAFETY ACT, ACT NO 29 OF 1996 (AND REGULATIONS), THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND REGULATION 17 OF THE ELECTRICAL MACHINERY REGULATIONS

IA CERTIFICATE	MASC S/24-8423X	Issue	0
Issue Date	16 August 2024	Expiry Date	17 May 2027
** Based on Certificate No	IECEx ULD 24.0006X	Issue / Variations / Amendment	1
Requested by	Axis Communications AB Gränden 1, 223 69 Lund, Sweden		
Manufacturer	Axis Ex AB Gränden 1, SE-223 69 Lund, Sweden		
Description	Loudspeaker AXIS XC1311 comprises an Aluminium enclosure housing components to amplify sound. Up to three M20 threaded entries may be provided for installation of appropriately certified cable entry devices by the end user. See **Base Certificate Annex for additional information.		
Equipment	Loudspeaker	Type	AXIS XC1311
MARKING: Original marking as per certificate ** remains applicable. IA number must be added.	Type: Ex Marking: IA Number: Warnings:	Loudspeaker - AXIS XC1311 Ex db IIC T5 Gb Ex tb IIIC T91°C Db -40°C...+60°C MASC S/24-8423X (To be additionally marked on equipment) See Base Certificate ** (original marking must be applied)	
Quality Assurance report (QAR) / Notification (QAN):	GB/EXV/QAR21.0005/03		
Quality Assurance report (QAR) / Notification (QAN) Expiry date:	17 May 2027		
Compliance: The equipment as described above has been allocated the rating <u>Explosion Protected 'as above'</u> utilizing the SANS/IEC Standards: • SANS (IEC) 60079-0: 2019 Equipment - General requirements • SANS (IEC) 60079-1: 2015 Equipment protection by flameproof enclosures "d" • SANS (IEC) 60079-31: 2022 Equipment dust ignition protection by enclosure "t" <i>Note: This certificate covers only the listed standards and does not imply compliance to any other standard, related or inferred. It is up to the manufacturer to ensure that the product complies to all relevant standards for the application.</i>			
Special conditions of safe use "X": • Refer to Annex A below for more details.			
Conditions of manufacture: • Refer to Annex A below for more details.			
 S. JORDAAN TECHNICAL SPECIALIST		 N. VILOJEN TECHNICAL OFFICER	
This certificate covers all units sold as long as the QAR/QAN remains valid. According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).			

Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:

SANS 10086 requirements;

Any conditions mentioned in the above certificate;

Any relevant requirements of the MHS Act;

Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).

This certificate may only be reproduced in full

The certificate is not transferable and remains the property of the issuing body.

IA CERTIFICATE: MASC S/24-8423X
Equipment: Loudspeaker - AXIS XC1311
(Expiry date: 17 May 2027)

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ANNEX A

This document is based on and must be read in conjunction with certificate IECEx ULD 24.0006X.	
Description (According to Base Certificate) **	
"Refer to description in Base Certificate ** (and any applicable schedules/issues/variatioins)."	
Standard compliance	See Base Certificate **
Special conditions of safe use ("X")	• No repair to the flameproof joints is permitted.
Conditions of manufacture	• None.
Conditions of Certification	• This IA Certificate covers all units sold from the date of this document to the expiry date of this certificate. • As per ARP 0108: 2018 / NCoP 2398: 2022 (as applicable) a maximum three yearly review is required on this IA Certificate (expiry is determined as per the QAR/QAN/QMS expiry date). • The apparatus must be additionally marked with the MASC marking details above. • This approval only covers the equipment as certified above and does not include any scheduled additions or variations / amendments / new issues to the certificate(s), made after the above date. • The equipment does not need to be re-tested when used on the conditions and with such restrictions as prescribed by the certificate on which this IA Certificate is based and any other conditions in this IA Certificate. • The certification on which this IA Certificate is based must remain valid. • The extent of the requirements in the ARP 0108:2018 / NCoP 2398: 2022 (as applicable), SANS 10108 and any other applicable regulations on the certification of the equipment must remain unchanged. • The Ex-quality assurance notification/report for the equipment must remain valid.
Conclusion:	• From the above and the selective examination of the documentation, nothing contrary to the requirements of the applicable standards was found, provided that the equipment / component is used as described in the above document / certificate and according to the MASC conditions below. A MASC IA certificate is issued based on the work done as per the Base Certificate **. • The routine tests for production units according to the Base Certificate ** must be complied with (if applicable).

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions, or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practices.

This document may only be reproduced in full.
This certificate is not transferable and remains the property of the issuing body.
This document will not be supported by MASC for certification purposes outside the borders of South Africa.

Mining And Surface Certification (Pty) Ltd Reg No: 2015/021934/07
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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 ULD 24.0006X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 1	Issue 0 (2024-04-09)
Date of Issue:	2024-05-31		
Applicant:	Axis Ex AB Gränden 1, SE-223 69 Lund, Sweden		
Equipment:	Loudspeaker - AXIS XC1311		
Optional accessory:			
Type of Protection:	Flameproof "db" and Dust Ignition Protection by Enclosure "tb"		
Marking:	Ex db IIC T5 Gb Ex tb IIIC T91°C Db -40°C...+60°C		

Approved for issue on behalf of the IECEx
Certification Body:

Lucy Frieders

Position:

Staff Engineer

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:

UL Solutions (Demko)
Borupvang 5A
Ballerup DK-2750
Denmark





IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 24.0006X**

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Date of issue: 2024-05-31

Issue No: 1

Manufacturer: **Axis Ex AB**
Gränden 1,
SE-223 69 Lund,
Sweden

Manufacturing
locations: **Axis Ex AB**
Maskinvägen 1
Lund 227 30
Sweden

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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 Reports:

[DK/ULD/ExTR24.0007/00](#)

[DK/ULD/ExTR24.0007/01](#)

Quality Assessment Report:

[GB/EXV/QAR21.0005/03](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx ULD 24.0006X**

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Date of issue: 2024-05-31

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Loudspeaker AXIS XC1311 comprises an Aluminium enclosure housing components to amplify sound. Up to three M20 threaded entries may be provided for installation of appropriately certified cable entry devices by the end user.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- No repair to the flameproof joints is permitted.



IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 24.0006X**

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Date of issue: 2024-05-31

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Correction to the manufacturing location address.

Annex:

[Annex to IECEx ULD 24.0006X Issue 1.pdf](#)



IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX ULD 24.0006X

Issue No.: 1

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TYPE DESIGNATION

Nomenclature:

Model	
AXIS XC1311	12.95W PoE input, loudspeaker, large flare

The product is permitted to use any radial or flare horn.

PARAMETERS RELATING TO THE SAFETY

Max. 12.95 W

MARKING

Marking has to be readable and indelible; it has to include the following indications:

AXIS **EX 1**

MODEL: AXIS XC1311
P/N: XXXXX
S/N: XXXXXXXXXX
MAC address: B8A44F000000
YEAR/MONTH: YYYY/XX

UL 24 ATEX 3177X
IECEX ULD 24.0006X
PESO: XXXXXXXX/X
IA: MASC X/XX-XXXXX

Ta: -40°C to +60°C
Power: max 12.95 W
PoE: IEEE 802.3af Type 1 Class 3
IP66, Type 4X

Country of origin: Sweden
FCC, see manual
CAN ICES-3(A)/NMB-3(A)

Ex II 2 G Ex db IIC T5 Gb
II 2 D Ex tb IIIC T91°C Db

UL **US**
LISTED
E538733

Class I Div 1 Groups A, B, C, D T5
Class I Zone 1 AEx db IIC T5 Gb
Zone 21 AEx tb IIIC T91°C Db
Evaluated for Electrical and
Hazardous Location Safety
Audible-signal Appliance for
Use in Hazardous Locations

Warning
If temperature exceeds (ATEX/IECEX: 70°C
at entry or 80°C at branching point)(NEC/CEC
60°C at entry or branching point), use suitably
rated cables and cable glands.

CE 2804  

Axis Ex AB, Gränden 1, SE-223 69 LUND, SWEDEN

CAUTION
TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES:
DISCONNECT FROM SUPPLY BEFORE OPENING.
KEEP TIGHTLY CLOSED WHEN IN OPERATION.

WARNING
FIT SEALING FITTING IN CONDUIT RUNS WITHIN 18 INCHES FROM ENCLOSURE.
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
DO NOT OPEN WHEN ENERGIZED.
POTENTIAL ELECTROSTATIC CHARGING HAZARD. CLEAN ONLY WITH A DAMP CLOTH.

ATTENTION
POUR RÉDUIRE LES RISQUES D'INFLAMMATION D'ATMOSPHÈRES
DANGEREUSES: DÉBRANCHEZ L'ALIMENTATION AVANT L'OUVERTURE.
GARDER BIEN FERMÉ LORS DU FONCTIONNEMENT.

AVERTISSEMENT
AJUSTEMENT DU RACCORD D'ÉTANCHÉITÉ
DANS LE CONDUIT S'ÉTEND À MOINS DE 18 POUCES DE L'ENCEINTE.
NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE.
NE PAS OUVRIR LORSQUE SOUS TENSION.
POTENTIEL ÉLECTROSTATIQUE RISQUE DE CHARGE. NETTOYER
UNIQUEMENT AVEC UN CHIFFON HUMIDE.