



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 EESF 24.0035X** Page 1 of 4 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2025-02-07

Applicant: **Savox Communications Oy Ab**
Keilaranta 15 B
FI-02150 Espoo
Finland

Equipment: **PMLN8634A - AD700Ex PTT adapter with Nexus connector**

Optional accessory: See equipment section

Type of Protection: **Intrinsically safe**

Marking: Ex ib IIC T4 Gb
Ex ib IIIC T130 °C Db
Ex ib I Mb

Approved for issue on behalf of the IECEx
Certification Body:

Karo Ovaska

Position:

Expert

Signature:
(for printed version)

Date:
(for printed version)

2025-02-07

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:

Eurofins Electric & Electronics Finland Oy
Kivimiehentie 4
Espoo FI-02150
Finland





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Date of issue: 2025-02-07

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Manufacturer: **Savox Communications Oy Ab**
Keilaranta 15 B
FI-02150 Espoo
Finland

Manufacturing locations: **Savox Communications Oy Ab**
Schaumanintie 26
57230 Savonlinna
Finland

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

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:

[FI/EESF/ExTR24.0041/00](#)

Quality Assessment Report:

[FI/EESF/QAR19.0004/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The PMLN8634A - AD700Ex Communication Controller is a versatile product designed to enhance communication capabilities when connected to a radiophone via cable. Its primary features include:

PTT Button: The Push-to-Talk (PTT) button allows users to control radio transmission conveniently. By pressing this button, users can initiate and terminate communication over the radiophone.

QR4 Connector: The QR4 connector enables users to connect headphone accessories to the communication controller.

Amplifier: The built-in amplifier is specifically tailored for dynamic microphone signal amplification. This feature ensures that transmitted audio is clear, loud, and easily discernible, even in noisy environments.

The enclosure level of protection is IP65/67 in accordance with IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Allowed ambient temperature range is $T_{amb} -30\text{ °C} \dots +60\text{ °C}$.
2. Only approved accessories are allowed to be used with this SAVOX product.
3. Observe the RESTRICTIONS OF USE IN HAZARDOUS ATMOSPHERES when using an accessory.
4. The PMLN8634A - AD700Ex Communication Controller shall only be used with compatible intrinsically safe radio. The compatibility shall be verified from the manufacturer.
5. The plastic casing of the PTT shall be inspected for cracking or discoloration before use in hazardous areas.



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Equipment (continued):

Approved accessories for PMLN8634A - AD700Ex:

| PRODUCT | CERTIFICATE NO. | GROUPING AND CLASSIFICATIONS | RESTRICTIONS OF USE IN HAZARDOUS ATMOSPHERES |
|---------------------------------------|--|---|---|
| PMLN8628A, PMLN8629A | EESF 25 ATEX 028X IECEX EESF 24.0034X | I M2 Ex ib I Mb II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T130°C Db Ta=-30°C to +60°C | N/A |
| PMLN6087A, PMLN6092A, PMLN7531A | IECEX NEM 09.0004X | II 2G Ex ib IIC T4 Gb | Ta=-20°C to +50°C Dusts and Mines excluded |
| PLMN6089A, PMLN6090A, PMLN7535A | IECEX NEM 11.0010X | I M2 Ex ib I Mb II 2G Ex ib IIC T4 Gb | Ta=-20°C to +40°C Dusts excluded |
| PMLN6333A | IECEX NEM 09.0005X | II 2G Ex ib IIC T4 Gb | Ta=-20°C to +50°C Dusts and Mines excluded |