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EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU – Annex III**

[3] Certificate Number: **EPT 25 ATEX 5869 X** **issue 0**

[4] Equipment: **Industrial Sound Signaling Devices**

ALARM-EX

[5] Manufacturer: **Palazzoli S.p.A.**

[6] Address: **Via F. Palazzoli, 31 - 25128 Brescia - Italy**

[7] This equipment and its accepted variations are specified in the annex to this Certificate.

[8] Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential Report N°EPT.25.REL.03/2413073

[9] Compliance with the essential health and safety requirements is assured through the verification of them and by compliance with the following harmonized standards:

EN IEC 60079-0:2018, EN 60079-7:2018, EN 60079-31:2014

further the conformity with requirements of **EN IEC 60079-31:2024** has been verified

[10] If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12] The equipment shall include the sign  and at least one of the following strings:

II 2 G Ex eb IIC T3 Gb

II 2 D Ex tb IIIC T85°C...T95°C Db

-40°C ≤ Ta ≤ +40°C or +45°C

The relationships between rated voltage values, ambient temperature ranges and temperature limits are reported in the equipment description.

Place and date of issue:
(dd-mm-yyyy)

Torino, 31-10-2025



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Signatory of EA and IAF
Mutual Recognition Agreements


Dionisio Bucchieri
Directive Responsible


Paolo Trisoglio
Managing Director



*This Certificate is composed of 4 pages and it is integrally reproducible only.
Conditions of validity are reported below.*

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ANNEX **EU-TYPE EXAMINATION CERTIFICATE** **N. EPT 25 ATEX 5869 X issue 0**

[15] Equipment description

The industrial sound signalling devices of the ALARM-EX series covered by this document are equipped with an enclosure that ensures IP66 degree of protection, made of painted aluminium alloy.

The windings inside the ALARM-EX devices, crossed by alternating current, generate a variable magnetic field at mains frequency. This magnetic field couples with a mass of ferromagnetic material that is mechanically connected to a metal diaphragm. The movement of the diaphragm in the air produces sound waves.

Temperature limitation and rated nominal voltage relation:

Model	Nominal Voltage [Vac]	Max Ambient temperature [°C]	Temperature Class (Gb)	Max Surface temperature (Db)
900453EX	24	40	T3	T85°C
		45	T3	T90°C
900463EX	110	40	T3	T95°C
900473EX	230	40	N/A*	T85°C
		45	N/A*	T90°C

*: model 900473EX doesn't have protection level Gb, it has got protection level Gc that is out of the scope of this certificate

Standard products are supplied with plastic cable glands suitable for non-armoured cables. Special products can be supplied with metallic cable glands, in this case the article code has a suffix that define the kind of cable gland used, as specified below:

Suffix	Description of cable gland
-MNS	Metallic for non-armoured cables - Small size
-MNL	Metallic for non-armoured cables - Large size
-MAS	Metallic for armoured cables - Small size
-MAL	Metallic for armoured cables - Large size

Warning label

- Do not open when energized.
- After de-energizing, delay 30 min. before opening.
- Potential electrostatic charging hazard - see instructions.

Routine tests:

Each unit shall be tested between phase/neutral conductor and earth conductor for a minimum time of 100ms at the following value:

Nominal voltage Vac	Test Voltage	
	Vac r.m.s.	Vdc
24	600	1020
110	1464	2489
230	1752	2979



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ANNEX
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[16] **Assessment Report n° EPT.25.REL.03/2413073**

This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] **Special condition for a safe use**

For versions with plastic cable gland, apply these limitations:

- Minimum ambient temperature = -35 °C;
- Install in areas with low mechanical risk (maximum impact energy 4 J).

For versions with metallic cable gland, apply these limitations:

- Provide a locking device to prevent excessive traction/rotation of the cable.

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

Assured by compliance with harmonized standards.

[19] **Descriptive documents**

The equipments object of this Certificate are described by the following documents that are scheduled documents and therefore they cannot be modified without the explicit authorization of the Notified Body.

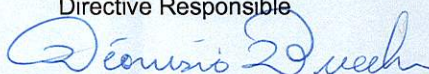
Type of document	Document identification	Rev.	Date
Technical note	Technical file n°435	00	2025-06-23
Assembly drawings and schemes	Annex 03 of technical file n°435	00	2025-06-23
Marking details	Annex 04 of technical file n°435	00	2025-06-20
Safety, use and maintenance instructions	C010272	00	2025-06-20



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[20] Terms and validity conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[21] History

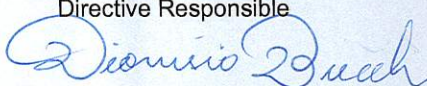
Issue	Description	Date
0	First Emission.	31-10-2025



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End of Certificate

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