



SZUTEST Uygunluk Değerlendirme A.Ş. / İstanbul - Türkiye
Onaylanmış Kuruluş 2195



(1)

EU-TYPE EXAMINATION CERTIFICATE (Annex III – Module B)

(2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **2195 25 ATEX 007 X**

(4) Equipment or Protective System : **Alarm Flasher / Beacon**
Model No: **AFR-1000-Y-V-U-Z** (Refer to Appendix A)

(5) Manufacturer/Applicant: **Simin Gaman Aria Co.**

(6) Manufacturer/Applicant Address: **8th Floor, No. 23, Karimkhan Zand Ave., Ghaemmagham Farahani St., Sanaei St., Ghaemmagham, Tehran City, central Dist., Tehran City, Tehran Province, Postal Code: 1585918335, Iran**

(7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents there in referred to.

(8) Szutest Uygunluk Değerlendirme A.Ş Notified Body number 2195 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament of the Council, dated 26 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 or protective system intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number.

Report No: SZUTEST-25036UR03-Rev00

Date: 05.02.2025

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

(11) This EU-Type examination certificate relates only to the design and construction of the specified equipment or protective equipment in the scope of 2014/34/EU Annex III. Future requirements of the Directive applies to the production process and the provision of equipment or protective system. These are not discussed in this certificate.

(12) Marking of the equipment or protective system must include the following;



II 2G Ex db IIB T6 Gb



Rukiye BALKAN
Genel Müdür Yardımcısı
Deputy General Manager

Yayın Tarihi: 17.02.2025
Issue Date

Revizyon Tarihi/No: 00
Revision Date

SZUTEST



SZUTEST Uygunluk Değerlendirme A.Ş. / İstanbul - Türkiye
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(13) ANNEX

(14) EU-Type Examination Certificate Number: **2195 25 ATEX 007 X**

(15) **Description of Equipment and/or Protective System:** The Alarm flasher / Beacon type AFR-1000 visual alarm or siren is used in oil, gas, petrochemical industries and other industries where explosion proof requirements or protection against water and dust are required.

Electrical characteristics:

- Rated voltage: 24 VDC/110 VAC/230 VAC
- Rated current: Max. 350 mA
- Rated power: 3 W
- Rated frequency: 50 Hz
- Flash Lamp: LED, Xenon
- Flash Rate: 60 Flashes per minute

Appendix A
AFR-1000-Y-V-U-Z

AFR-1000	Y: Voltage	V: Color	U: Lamp	Z: Polarized
	1: 24 VDC 2: 110 VAC 3: 230 VAC	R: Red G: Green B: Blue Y: Yellow A: Amber	X: Xenon L: LED	A: Non-polarized B: Polarized

Degree of protection (IP code):

The equipment enclosures were verified for an IP66 ingress rating.

Ambient temperature and temperature class:

The ambient temperature of the device : $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

The ambient temperature class : T6

Warnings:

"WARNING – LIVE PARTS BEHIND COVER – DO NOT CONTACT"

(16) **Reference Report Number**

(16.1) The manufacturer as the holder of this EU type-examination certificate, is required to comply with the production control requirements in accordance with the directive 2014/34/EU for marketing its product.

(16.2) **Routine Test:**

The manufacturer shall carry out routine tests prescribed in clause 27 of EN 60079-0.

-According to the method in clause 15.2.3 of EN 60079-1, 100% of the production shall be subjected to an overpressure test at 8 bars on the product.

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(13) ANNEX

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(16) **Reference Report Number**

(16.3) **Installation conditions:**

The equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified in clause 1 of EN 60079-0. Installation and use in atmospheric and environmental conditions that are out of the above-mentioned intervals request special considerations and additional measures by the side of the installer or user: These should be specified to the manufacturer by the user; It is not a requirement of the applicable standards listed in (9) that the certification body confirms suitability for the adverse conditions. Installation of equipment shall be done according to EN 60079-14 Standard requirements.

(17) **Special Conditions for Safe Use:**

- Special ambient temperature -20°C to 60°C.
- For connecting to external circuits, ATEX certified cable glands or blanking elements with characteristics of the equipment in the sense of type of protection, Gas group, Ambient temperature, and IP code shall be used by the end-user or installer;
- In order to prevent the risk of electrostatic charge, the equipment shall only be cleaned with damp, non-fibrous (cotton) cloth, or sponge.
- For replacement purposes, the fasteners shall be class A2-70;

(18) **Essential Health and Safety Requirements:**

Covered by standards listed at 9.

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in (9).

This Certificate does not cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered EN 60079-0:2018.

(19) **Documentation List:**

No	File Name	Received Date	Rev.
01	Company Profile	15.01.2025	00
02	Description of product	15.01.2025	00
03	Product Design	15.01.2025	00
04	Risk Analysis	15.01.2025	00
05	User Guideline	15.01.2025	00
06	Result of Design	15.01.2025	00
07	Test Report & Test Records	15.01.2025	00

(20) **Variation:** 1st issue

Yayın Tarihi: 17.02.2025
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