



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 24 ATEX 008 X**

(4) Equipment or Protective System : **Flame Detector**
Model No: **SFD-1000-X-Y-T (According to Clause 15)**

(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**

(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-24186UR03-Rev00
Date:04.07.2024

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

EN 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 IIC T6 Gb



Rukiye BALKAN
Genel Müdür Yardımcısı
Deputy General Manager

Yayın Tarihi: 10.07.2024
Issue Date

Revizyon Tarihi/No: 00
Revision Date



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(13) ANNEX

(14) EU-Type Examination Certificate Number: **2195 24 ATEX 008 X**

(15) **Description of Equipment and/or Protective System:** Flame detector model SFD-1000 is designed and manufactured for fast detection of the flame and prevent its spread in industrial, workshop environments, using ultraviolet and infrared sensors with false alarm rejection technology. This text is used to guide the installation, operation, maintenance and repair of the flame detector model SFD-1000-X-Y-T.

Type	Model	Sensor	Body Material	Automatic Built-in Test
Code	a	X	Y	T
a	SFD-1000			
x	Sensor Type - U: UV/IR - R: IR4			
Y	Body Material: - Y: Aluminum			
T	Automatic Built-in Test: - Y: Included - N: Not Included			

Rating:

Rated Voltage: 18 to 30 VDC
Rated Current: 0.4 A
Rated Power: 9.6 W

Ambient temperature and temperature class:

Ambient temperature range $T_a = -20^{\circ}\text{C}$ to $+60^{\circ}\text{C}$
The temperature class of equipment is T6 for the gas environment.

Degree of protection (IP code):

The equipment enclosures were verified for an IP 66 ingress rating.

Warnings:

WARNING: "DO NOT OPEN WHEN ENERGIZED"

(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.

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(13) ANNEX

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(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 is subjected to an overpressure test at 7.86 bars on the enclosure of all models.

-The complete cementation procedure for the cemented joints in the glass part of the enclosure as stated in the TCF shall be implemented and checked in all production.

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:

- For replacement purposes, the fasteners shall be Class A2-70;
- Special ambient temperature -20°C up to 60°C;
- In case of re-painted on enclosures, the thickness of paint is to be less than 0.2 mm for Group IIC;
- Cable entries shall be fitted with cable glands (and stop plugs for unused holes) suitable with EPL and protection concept, covered by separate ATEX certificates: it is required as minimum II 2G Ex db IIC Gb, IP66.

(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.

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(13) ANNEX

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(19) Documentation List:

No	File Name	Received Date	Rev.
01	Company Profile	10.06.2024	00
02	Description of product	10.06.2024	00
03	Product Design	10.06.2024	00
04	Risk Analysis	10.06.2024	00
05	User Guideline	10.06.2024	00
06	Result of Design	10.06.2024	00
07	Test Report & Test Records	10.06.2024	00

(20) Variation: 1st issue

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