



EU-TYPE EXAMINATION CERTIFICATE

- 1)
- 2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU
- 3) EU-Type Examination Certificate Number : **SCA23ATEX186X**
- 4) Equipment or Protective System : **Lighting Fixture for Tanks**, TYPES: **ZNT-X series** (The type description is in the schedule)
- 5) Manufacturer : **ZONE Elektrik Mak. Müh. İmalat San. Tic. Ltd. Şti.**
- 6) Manufacturer Address : **Şekerpınar Mahallesi, Anadolu Cad. NO:8/A Çayırova - Kocaeli/TURKEY**
- 7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.
- 8) SCA Belgelendirme ve Özel Egt. Hizm. Ltd. Sti. Notified Body number 2336 in accordance with the Council Directive 2014/34/EU, 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 2014/34/EU.
* The examination and test results are recorded in the confidential report B/2022-10-245/Rp.02
- 9) Essential Health and Safety Requirements is made about reference standard.
EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014
- 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. 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+H₂ T6 Gb
II 2D Ex tb IIIC T80°C Db

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU



Date of Approval : 26.05.2023



13) SCHEDULE

14) EU-Type Examination Certificate : **SCA23ATEX186X**

15) **Description of Equipment and/or Protective System:**

ZNT.X series lighting fixtures designed for used on tanks. Lighting fixtures consist of an aluminium alloy body fitted with a glass sealed on a the body. ZNT.X series lighting fixtures has two models. ZNT.15W.220V(AC) model is designed to operate at 220VAC, ZNT.15W.24V(DC) model is designed to operate at 24VDC.

Technical Parameters

Rated power : 15W
Rated voltage : 220 to 240 VAC - 50/60 Hz, 24VDC
Degree of protection : IP 66
Ambient temperature : -20°C to +45°C

16) **Test and Assessment Report** *B/2022-10-245/Rp.02*

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

The cable glands used for cable entries and plugs for unused holes on equipment must have meet the requirements specified in this certificate and user manual. (group, category, gas/dust group, IP, entry size etc.)

Notes for manufacturing and operation

The manufacturer shall carry out the routine overpressure test according to EN 60079-1:2014 Clause 16.

(According to EN 60079-1:2014 article 15.2.3.2 "3 times the reference pressure for enclosure where the routine overpressure testing is replaced by a batch test (see EN 60079-1:2014 clause 16.6)".

18) **Essential Health and safety Requirements :**

Met by compliance with the standards listed in Section 9 of this certificate.

19) **Drawing and Documents :**

Technical file ZN-T-22/Rev.00 dated 12.09.2022 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Title	Pages	Rev.	Date
Z-01NT-1-001	General Assembly	1	00	10.09.2022
Z-01NT-1-002	Body Side View	1	00	10.09.2022
Z-01NT-1-003	Body Flamepaths	1	00	10.09.2022
Z-01NT-1-004	Cover Side View	1	00	10.09.2022
Z-01NT-1-005	Cover Top View	1	00	10.09.2022
Z-01NT-1-006	Glass and O-Ring	1	00	10.09.2022
Z-01NT-1-007	PCB and Lens	1	00	10.09.2022

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU

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