



TYPE EXAMINATION CERTIFICATE

- 1)
- 2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU
- 3) Type Examination Certificate Number : **SCA20ATEXV008X**
- 4) Equipment : **Led Projector**, TYPES: ZNK-□□ (□□: **35W, 50W, 80W, 100W, 125W, 150W, 180W**)
- 5) Manufacturer : ZONE ELEKTRİK MAK. MÜH. İMALAT SAN. TİC. LTD. ŞTİ.
- 6) Manufacturer Address : Güzeller Mah. 914 Sk. No:36/A Gebze-Kocaeli/TURKEY
- 7) Equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- 8) SCA Belgelendirme ve Özel Egt. Hizm. Ltd. Sti. Certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.
The examination and test results are recorded in the confidential report **V/2020-02-042/Rp.04**
- 9) Essential Health and Safety Requirements is made about reference standards.
EN IEC 60079-0:2018, EN 60079-7:2015/A1:2018, 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) Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.
- 12) The marking of the equipment shall include the following :



II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIC T135°C Dc

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU

Date of Approval : 02.10.2020

SCA Belgelendirme ve Özel Eğitim Hizmetleri Ltd. Sti.
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13) SCHEDULE

14) Type Examination Certificate : SCA20ATEXV008X

15) Description of Equipment and/or Protective System:

ZNK.X series led projectors are suitable for illumination of hazardous areas which are used in Category 3D and 3G. The led projector comprise of an aluminium enclosure fitted with 8mm temperature resistant flat tempered glass that incorporates a gasket for sealing and an aluminium frame.

Certified terminal blocks has used in the equipment with type of protection Ex eb.

Technical Parameters

Rated voltage : 100-240 VAC

Rated power : From 35W to 180W

Rated frequency : 47~63 Hz

Degree of protection : IP 66

Ambient temperature : -20°C to +50°C

16) Test and Assessment Report V/2020-02-042/Rp.04

Complied with IP66 degree of protection.

17) Special Conditions for Safe Use :

The cable glands used for cable entries and plugs for unused holes on equipment must have to following parameters and certification:

-“Ex tc” or “Ex eb” protection type

-Minimum degree of protection IP 66 according to EN 60529

-Protection Type and Threaded entry size shall be in accordance with technical file and technical drawings.

18) Essential Health and safety Requirements :

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


The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU

Date of Approval : 02.10.2020



CONTINUATION OF SCHEDULE TO TYPE EXAMINATION CERTIFICATE SCA20ATEXV008X

19) Drawings and Documents :

Technical file ZN-K-20/Rev.00 dated 16.04.2020 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Pages	Title	Rev.	Date
Z-01NK-2-101	1	General Assembly	00	24.03.2020
Z-01NK-2-100	1	Dimensions	00	24.03.2020
Z-01NK-2-102	1	Main Body (Large)	00	24.03.2020
Z-01NK-2-103	1	Glass Cover (Large)	00	24.03.2020
Z-01NK-2-104	1	Ballast Cover (Large)	00	24.03.2020
Z-01NK-2-105	1	Main Body (Small)	00	24.03.2020
Z-01NK-2-106	1	Glass Cover (Small)	00	24.03.2020
Z-01NK-2-107	1	Ballast Cover (Small)	00	24.03.2020
Z-01NK-2-108	1	Glass	00	24.03.2020
Z-01NK-2-109	1	O-ring	00	24.03.2020

.....END OF CERTIFICATE.....



The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU

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