1) # TYPE EXAMINATION CERTIFICATE

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

3) Type Examination Certificate Number : **SCA25ATEXV061X**

4) Equipment : **Navigation Light**

TYPE: MOSNL50D, MOSNL50S

5) Manufacturer : **Marine Otomasyon Sistemleri Limited Şti.**

6) Manufacturer Address : Evliya Çelebi Mahallesi Rauf Orbay Cad. Ak İş Merkezi No:41/B Tuzla-İSTANBUL / TÜRKİYE

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 Eğt. Hizm. Ltd. Şti. 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/2024-06-124/Rp.02

9) Essential Health and Safety Requirements is made about reference standards.

EN IEC 60079-0:2018, EN 60079-7:2015/A1:2018

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

Digitally Signed

The competent person
SCA Technical Manager
Emre KOCUKLU

Date of Approval : 17.10.2025

SCA Belgelendirme ve Özel Eğitim Hizmetleri Ltd. Şti.
Küçükçiğli Mah. 8785/1.Sokak No:17 Çiğli-İZMİR / TÜRKİYE
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13) SCHEDULE

14) **Type Examination Certificate** : **SCA25ATEXV061X**

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

LED navigation lights are suitable for ships over 50 meters. There are two versions of navigation lights. MOSNL50S is for single layer and MOSNL50D for double layer. There are various power values for different light colours. Body is made of hard anodized aluminium and glass is a quartz glass.

Technical Parameters

Power Supply	: 24 VDC
Ingress Protection	: IP 67
Ambient temperature	: -25 °C to +85 °C
Max. Power Values	: 4.5 W for MOSNL50S all-round red light, 12.6 W for MOSNL50D all-round green light

16) **Test and Assessment Report :** *V/2024-06-124/Rp.02*

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

-The navigation light has been subjected to resistance to impact test at low risk. Necessary precautions shall be taken during the installation and use of equipment.

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

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

19) **Drawings and Documents :**

Technical file MOS/ATEX/2025-001/Rev.01 dated 17.08.2025 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Title	Pages	Rev.	Date
310130	MOSNL50S Over 50 Meters Port Light (3nm Red 112.5°)	8	0	01.11.2022
310132	MOSNL50S Over 50 Meters STDB Light (3nm Green 112.5°)	8	0	01.11.2022
310133	MOSNL50S Over 50 Meters Stern Suez Light (3nm Red 135°)	8	0	01.11.2022
310134	MOSNL50S Over 50 Meters Stern Light (3nm White 135°)	8	0	01.11.2022
310135	MOSNL50S Over 50 Meters Stern Kiel Canal Light (3nm Green 135°)	8	0	01.11.2022
310136	MOSNL50S Over 50 Meters Towing Light (3nm Yellow 135°)	8	0	01.11.2022

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SCA Technical Manager
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CONTINUATION OF SCHEDULE TO TYPE EXAMINATION CERTIFICATE SCA25ATEXV061X

Drawing No:	Title	Pages	Rev.	Date
310138	MOSNL50S Over 50 Meters Masthead Light (6nm White 225°)	8	0	01.11.2022
310142	MOSNL50S Over 50 Meters All Round White Light(3nm 360°)	8	0	01.11.2022
310143	MOSNL50S Over 50 Meters All Round Anchor Manoeuvre Light (5nm 360°)	8	0	01.11.2022
310144	MOSNL50S Over 50 Meters All Round Red Light (3nm 360°)	8	0	01.11.2022
310146	MOSNL50S Over 50 Meters All Round Green Light (3nm 360°)	8	0	01.11.2022
310150	MOSNL50S Over 50 Meters All Round Yellow Light (3nm 360°)	8	0	01.11.2022
310160	MOSNL50D Double Over 50 Meters Port Light (3nm Red 112.5°)	8	0	01.11.2022
310162	MOSNL50D Double Over 50 Meters STDB Light (3nm Green 112.5°)	8	0	01.11.2022
310163	MOSNL50D Double Over 50 Meters Stern Suez Light (3nm Red 135°)	8	0	01.11.2022
310164	MOSNL50D Double Over 50 Meters Stern Light (3nm White 135°)	8	0	01.11.2022
310165	MOSNL50D Double Over 50 Meters Stern Kiel Canal Light (3nm Green 135°)	8	0	01.11.2022
310166	MOSNL50D Double Over 50 Meters Towing Light (3nm Yellow 135°)	8	0	01.11.2022
310168	MOSNL50D Double Over 50 Meters Masthead Light (6nm White 225°)	8	0	01.11.2022
310172	MOSNL50D Double Double Over 50 Meters All Round White Light(3nm 360°)	8	0	01.11.2022
310173	MOSNL50D Double Over 50 Meters All Round Anchor Manoeuvre Light (5nm 360°)	8	0	01.11.2022
310174	MOSNL50D Double Over 50 Meters All Round Red Light (3nm 360°)	8	0	01.11.2022
310176	MOSNL50D Double Over 50 Meters All Round Green Light (3nm 360°)	8	0	01.11.2022
310180	MOSNL50S Over 50 Meters All Round Yellow Light (3nm 360°)	8	0	01.11.2022

Digitally Signed

The competent person
SCA Technical Manager
Emre KOCUKLU

Date of Approval : 17.10.2025

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