



Certificate No. 03-002176/031880

## TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

NAVIGATION AND SIGNAL LIGHTS CONTROLLER

ITNSL – 01

MANUFACTURER:

**INELTEH d.o.o.**  
Ljubljanska cesta 7  
51000 Rijeka  
HRVATSKA - CROATIA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS RULES FOR THE CLASSIFICATION OF SHIPS, PART 12 - ELECTRICAL EQUIPMENT

IMO Res. MSC.253(83)

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: 2029-05-07

Place and date: Split, 2025-10-27

Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

**DETAILED PRODUCT DESCRIPTION:**

The Navigation and Signal Light Controller ITNSL-01 is a programmable system designed for the control and monitoring of navigation and signal lights. It consists of the following components:

<b>Main unit</b>	ITNSL-01TP
<b>Power supply unit</b>	ITNSLP-01P
<b>Input module</b>	ITNL-10-D-230, ITNL-10-S-230, ITNL-10-D-24, ITNL-10-S-24
<b>Input module</b>	ITNL-5-D-230, ITNL-5-D-24
<b>Input module</b>	ITNL-13-S-230, ITNL-13-S-24

Power supply 230 V ac, 115 V ac or 24 V dc  
Single lights (S) or double lights (D)  
FW version: v3.xx

**APPLICATION / LIMITATIONS:**

CRS Rules for the classification of ships.

**TYPE APPROVAL DOCUMENTATION:**

Technical documentation ITNSL-01, No.04012021, approved 2021-02-19.

**Test reports:**

CRS Test report dated 2021-02-23.  
Environmental testing – Dry heat, Dump heat, Cold – INELTEH (BV witnessed) Test report No. TR 001-2021.  
Environmental testing – Cold – INELTEH (BV witnessed) Test report No. TR 002-2021.  
Type tests – High voltage test, Power supply failure – INELTEH (BV witnessed) Test report No. TR 003-2021.  
Vibration test – KONCAR Test Report No. 21584VIB21003.  
Shock test – KONCAR Test Report No. 21584VIB22008.  
Safe compass distance test – KONCAR Test Report No. 21583SCD21022.  
Safe compass distance test – KONCAR Test Report No. 21583SCD21024.  
EMC test – KONCAR Test Report No. 21583EMC21022.  
EMC test – KONCAR Test Report No. 21583EMC21024.

**MARKING OF PRODUCT:**

In accordance with IEC60945 – Marking and identification:  
(The Manufacturer name and Type Designation of the product, serial number, date of manufacture, supply voltage, other particulars and software version...).

**CONDITIONS FOR CERTIFICATION:**

All changes are to be forwarded to CRS for evaluation and approval before being installed.