



Certificate No. 03-001812/031512

## 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 CONTROL PANEL

ITNSL – 01  
(220VAC / 115VAC / 24VDC)

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: 2025-05-07

Place and date: Split, 2021-05-07 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:**

Navigation and signal light control panel ITNSL-01 is PLC based controller used for switching on, switching of and failure check of navigation and signal lights which is consisting of:

<b>Main unit</b>	<b>ITNSL-01T, ITNSL-01TP</b>
<b>Power supply unit</b>	<b>ITNSLP-01, ITNSLP-01P</b>
<b>Input module</b>	<b>ITNL-3</b>
<b>Input module</b>	<b>ITNL-5</b>
<b>Input module</b>	<b>ITSL-7</b>
<b>Input module</b>	<b>ITNL-10</b>
<b>Input module</b>	<b>ITSL-13, ITNL-13</b>

**Specification:**

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

**APPLICATION / LIMITATIONS:**

Indoor installation only.

**TYPE APPROVAL DOCUMENTATION:**

Technical documentation ITNSL-01, standard, No.110208, approved 2008-10-20.  
Installation and user documentation ITNSL-01-24, rev 0 dated 2016-04-25.  
Technical documentation ITNSL-01, No.04012021, approved 2021-02-19.

**Test reports:**

Vibration test – KONČAR Test Report No. 21520-D-139/06.  
Climatic test – KONČAR Test Report No. 21550-01508.  
EMC test – KONČAR Test Report No. 21583EMC08060.  
EN 60945:2002 (safe compass distance, vibrations and EMC test) – KONČAR No. 21580ALL006.  
Cold, Humidity and DryHeat test – INELTEH (BV witness) No. 1606-001 dated 2016-06-(16-29).  
Performance test – INELTEH (RMRS witness) No. 1611-002 od 2016-11-18.  
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 – KONČAR Test Report No. 21584VIB21003.  
EMC test – KONČAR Test Report No. 21583EMC21022.  
EMC test – KONČAR Test Report No. 21583EMC21024.  
CRS Test report dated 2021-02-23.

**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.