



Certificate No. 03-001946/031651

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:

TALK-BACK, PUBLIC ADDRESS AND GENERAL ALARM SYSTEM ITTB, ITPA, ITGA

MANUFACTURER:

INELTEH d.o.o.

Ljubljanska cesta 7
51000 Rijeka
CROATIA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS RULES FOR THE CLASSIFICATION OF SHIPS, Part 12 – Electrical equipment
CRS RULES FOR THE CLASSIFICATION OF SHIPS, Part 13 – Automation
IEC 60092-504:2016
IACS UR E10 Rev8 Corr1

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

APPROVAL IS VALID UNTIL: 2027-03-04

Place and date: Split, 2023-04-03 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:

Talk-Back, Public address and General alarm system consisting of the following components:

TALK-BACK SYSTEM type ITTB

Main unit type ITTB-04, 24VDC
Main unit type ITTB-08, 24VDC
Main unit type ITTB-12, 24VDC
Substation type ITTB-SSO, for outdoor areas IP56, with external loudspeaker
Substation type ITTB-SSI, for indoor areas
Substation type ITTB-SSN, for noisy areas, with microphone and headphones
ITTB-BW unit, for bridge wing / flying bridge, indoor version
ITTB-BW unit, for bridge wing / flying bridge, outdoor version IP56

PUBLIC ADDRESS SYSTEM type ITPA

Main unit type ITPA-04, PA 4 zones, 24VDC
Main unit type ITPA-08, PA 8 zones, 24VDC
Rectifier type ITPS-230/24
Public address amplifier type ITCPA-120, 120W, 100V
Public address amplifier type ITCPA-240, 240W, 100V
Public address amplifier type ITCPA-360, 360W, 100V
Local microphone unit type ITPA-RM-01
Remote microphone unit type ITPA-RM-02, with all talk
Remote microphone unit type ITPA-RM-03, with all talk and 4 zones selection
Remote microphone unit type ITPA-RM-04, with all talk and 8 zones selection
Volume regulator type ITPA-RG-30, 30W

GENERAL ALARM SYSTEM type ITGA

General alarm unit type ITGA-03, 24VDC

APPLICATION / LIMITATIONS:

CRS Rules for the classification of ships.

TYPE APPROVAL DOCUMENTATION:

TALK-BACK SYSTEM type ITTB, PUBLIC ADDRESS SYSTEM type ITPA, GENERAL ALARM UNIT type ITGA-03 - Type approval documentation, Rev.0, dtd. 08.02.2019.

Test reports:

Climatic tests – KONČAR test report No. 51-21318
Vibration tests – KONČAR test report No. 21584VIB19004
EMC tests – KONČAR test report No. 21583EMC18121_rev1
Performance Test – INELTEH test report No. PT-Performance-1903-001

MARKING OF PRODUCT:

The Manufacturer and Type Designation of the product, serial number and supply voltage.

CONDITIONS FOR CERTIFICATION:

The manufacturer should notify CRS of any modification or changes to the equipment in order to obtain a valid certificate.