

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATEBr / No **03-001415/031103**

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.

This is to certify that this product, on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.

TIP I OPIS PROIZVODA:

TYPE AND DESCRIPTION OF PRODUCT:

MODULARNO PROGRAMABILNI KONTROLNO ALARMNI SUSTAV
MODULAR PROGRAMMABLE CONTROL AND ALARM SYSTEM
MOS/MCS/PMS 2200 and Platinum**PROIZVOĐAČ:**
MANUFACTURER:**LYNGSØ MARINE A/S**
Lyngso Alle 2
DK – 2970 HØRSOLM
Denmark**PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:**
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:**Hrvatski registar brodova:** **Pravila za klasifikaciju brodova,**
Dio 12. – Električna oprema, Dio 13. – Automatizacija**Croatian Register of Shipping:** **Rules for the classification of ships,**
Part 12. – Electrical Equipment, Part 13. – Automation**IEC 60945 (2002), IACS UR E10****DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.**
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.**ODOBRENJE VRIJEDI DO:** **2018-06-10**
APPROVAL IS VALID UNTIL:Mjesto i datum Split, 2014-06-10
Place and dateM.P. _____
(Seal)

Marinko Popović, dipl.ing.

Napomena: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

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.

PODROBNJI OPIS PROIZVODA:*DETAIL PRODUCT DESCRIPTION:***Ovakav sustav, koristeći navedene module te programsku podršku, nadzire i upravlja sustavom automatizacije broda.***This system, by use of bellow mentioned modules with application software support, monitors and controls ship's automation.***TEHNIČKA DOKUMENTACIJA / NACRTI:***TECHNICAL DOCUMENTATION / DRAWINGS:*

ZM 411	Central Processing Module	DAP-Bridge	Watch Call Panel (Bridge)
DPU 2010	Data Processor Module	DAP-ECR	Watch Call Panel (Bridge)
DCU 2010	Data Concentrator Module	DAP-APP	Duty Alarm Panel (Cabin)
SIM 401	Serial Input/Output Module	LOP-2200	Local Operator Panel
IOM 402	Input/Output Module	AAP2010	Accommodation Alarm Panel
DEM 401	Digital Input/Output Module	UPM 401	Uninterruptable Power Supply M.
REM 401	Relais and Input Module	TAM 401	Tacho Adapter Module
DRM 401	Digital Relais Module	BIM2200	Binary Interface Module
DZM 402	Speedrelais Module	BRM2200	Binary Relay Module
AAM 401	Analogue Output Module	BXM2200	Binary Input/Output Module
AEM 402	Analogue Input Module	BSM2200	Binary Solistate Module
MXM 401	Multiplexer Module	IFM2200	Interface Module
MXM 402	Multiplexer Module	PFM2200	Power Filter Module
VM 401	Distribution Module	AOM2200	Analogue Output Module
VM402	Distribution Module	SIO2010	Serial Input/Output Module

PODRUČJE PRIMJENE / POSEBNI I GRANIČNI UVJETI:*APPLICATIONS / LIMITATIONS:***Sustav je odobren za primjenu na brodovima s dodjeljenom oznakom automatizacije – AUT1, AUT2 i AUT3.***System is approved for use on board a vessels granted with automation notations – AUT1, AUT2 and AUT3.***DOKUMENTACIJA ZA TIPNO ODOBRENJE:***TYPE APPROVAL DOCUMENTATION:*

Test Report DANAK – 1910006, dated 2008-01-10;
Test Report DANAK – 1910087, dated 2008-02-28;
Test Report DANAK – 193230, dated 1997-04-17;
Test Report DANAK – 194848, dated 1999-12-09;
Test Report DANAK – 195176, dated 2000-09-11;
Test Report DANAK – 198305, dated 2006-03-24;
Test Report DANAK – 197674, dated 2004-11-03;
Test Report DANAK – 198306, dated 2006-03-24;
Test Report DANAK – 198620, dated 2006-12-21;
Test Report DANAK – 198730, dated 2007-04-20.

OZNAČAVANJE PROIZVODA:*MARKING OF PRODUCT:***Ime proizvođača, tip proizvoda, serijski broj-identifikacija i sigurna udaljenost od magnetskog kompasa.***The Manufacturer and Type Designation of the product, serial number and safe distance to magnetic compass.***UVJETI ZA CERTIFIKACIJU:***CONDITIONS OF CERTIFICATION:***Na brodovima HRB klase potrebno je dostaviti tehničku dokumentaciju stvarne izvedbe na odobrenje za svaku pojedinačnu primjenu.***On the CRS classed vessels, documentation for the actual application is to be submitted for approval in each case.*

Raščlana

13.01.03

Zamjenjuje potvrdu

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