



POTVRDA O TIPNOM ODOBRENJU
TYPE APPROVAL CERTIFICATE

Br / No **03-001634/031345**

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:

Gen-set Control, Monitoring and Alarm System
InteliGen NT; InteliSys NT ; InteliMains NT

PROIZVOĐAČ:
MANUFACTURER:

ComAp a.s.
 U Uranie 1612/14a
 CZ – 170 00 Prague 7
 Češka Republika - *Czech Republic*



PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Hrvatski registar brodova: **Pravila za klasifikaciju brodova,**
Dio 9. – Strojevi, Dio 13. – Automatizacija
Croatian Register of Shipping: *Rules for the classification of ships,*
Part 9. – Machinery, Part 13. – Automation

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: **2022-05-08**
APPROVAL IS VALID UNTIL:

Mjesto i datum Split, 2018-05-09
Place and date

M.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:

Glavne komponente/Main components	
<i>IS-NT(C)-BB</i>	<i>InteliSys Base Box - Marine generator/gen-set controller</i>
<i>IG-NT(C)-(LT)-(GC) Marine</i>	<i>InteliGen - Marine generator/gen-set controller</i>
<i>IG-NT(C)-BB</i>	<i>InteliGen Base Box - Marine generator/gen-set controller</i>
<i>IM-NT(C)-(LT)-(GC)</i>	<i>InteliMains - Marine breaker controller</i>
<i>IM-NT(C)-BB</i>	<i>InteliMains Base Box - Marine breaker controller</i>
<i>I-AOUT, I-IO8/8, I-AIN8, I-AIN8TC</i>	<i>Extension modules</i>
<i>IS-BIN16/8, IS-AIN8, IS-AIN8TC, IGS-PTM</i>	<i>Extension modules</i>
<i>IGS-LSM+PMS Dongle</i>	<i>HW key - Load sharing and Power management</i>
<i>IGL-RA15</i>	<i>Remote annunciator</i>
<i>I-RB16, I-RB8</i>	<i>Relay output boards</i>
<i>I-LBA</i>	<i>Low battery adapter</i>
<i>I-CB, I-CR, ICR-R, I-LB+, IB-NT</i>	<i>Communication modules</i>
<i>I-MTU 2:1, IG-MTU-MARINE</i>	<i>Transformer units</i>
<i>IG-AVRi-Marine, IG-AVRi-TRANS-Marine</i>	<i>AVR interface, power supply for AVR</i>

PODRUČJE PRIMJENE / POSEBNI I GRANIČNI UVJETI:
APPLICATIONS / LIMITATIONS:

Sustav je prikladan za nadzor i upravljanje pojedinačnih i višestrukih pomoćnih motora-generatora uključujući sinkronizaciju, upravljanje snagom i razdiobu tereta.

The system is suitable for monitoring and control of both single and multiple auxiliary engine-generator sets including synchronizing, power control and load sharing.

DOKUMENTACIJA ZA TIPNO ODOBRENJE:
TYPE APPROVAL DOCUMENTATION:

IGS-NT: Installation Guide 08-2014, Communication Guide 02-2016, Accessory Modules 1-2015, Electrotechnical Testing Institute – IG-NT, IS-NT, 603501-01/01, dated 30.11.2006, Electrotechnical Testing Institute – IS-NT, IG-NT, 603501-01/02, dated 30.11.2006 / 03.12. 2007, Electrotechnical Testing Institute – IS-NT, IG-NT, 603501-01/03, dated 16.11.2006, Electrotechnical Testing Institute – IG-NT, IS-NT, 603501-01/04, dated 30.11.2006, Electrotechnical Testing Institute – IS-NTC-BB, 304982-01/01, dated 31.10.2013, Electrotechnical Testing Institute – IS-NTC-BB, 405338-01/01, dated 02.12.2014, Electrotechnical Testing Institute – IS-NTC-BB; IM-NTC-BB; IG-NTC-BB; IM-NT-BB; IG-NT-BB, 305245-01/01, Electrotechnical Testing Institute – IS-NTC-BB, 004726-01/01, dated 19.04.2011, TUV SUD Czech s.r.o. – IS-NTC-BB, 260303-11-TAC, dated 25.05.2011.

OZNAČAVANJE PROIZVODA:
MARKING OF PRODUCT:

Sukladno zahtjevima IEC60945 – Označavanje i identifikacija (ime proizvođača i tip proizvoda, serijski broj, datum proizvodnje, sigurna udaljenost od magnetskog kompasa, napon napajanja).

In accordance with IEC60945 – Marking and identification (The Manufacturer and Type Designation of the product, serial number, date of manufacture, safe distance to magnetic compass, supply voltage).

UVJETI ZA CERTIFIKACIJU:
CONDITIONS OF CERTIFICATION:

Za svaku primjenu na brodovima klase HRB-a, potrebno je dostaviti kompletnu tehničku dokumentaciju s nacrtima na pregled i odobrenje prije postavljanja na brod.

Posebnu pažnju treba obratiti na izvedbu napajanja, sustav nadgledanja i alarma.

For each application on board CRS classed vessels complete technical documentation and drawings shall be submitted for examination and approval prior installation on board.

Special attention is to be on power supply arrangement, monitoring and alarm system.