



Potvrda br.
Certificate No.

03-001887/031594

POTVRDA O TIPNOM ODOBRENJU TYPE APPROVAL CERTIFICATE

Potvrđuje se da ovaj proizvod udovoljava Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda.
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.

TIP I OPIS PROIZVODA:
TYPE AND DESCRIPTION OF PRODUCT:

**Gen-set Control, Monitoring and Alarm System
InteliGen; InteliSys; InteliMains
and the accessories**

PROIZVOĐAČ:
MANUFACTURER:

ComAP a.s.
U Uranie 1612/14a
17000 Prague 7
CZECH REPUBLIC

PROIZVOD UDOVOLJAVIA 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: **2026-05-08**
APPROVAL IS VALID UNTIL:

Mjesto i datum: **Split, 2022-05-09**
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.

PODROBNIJI OPIS PROIZVODA:
DETAILED PRODUCT DESCRIPTION:

Glavne komponente:

Main components:

- <i>InteliSys^{NTC} BaseBox</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliGen 1000 Marine</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliGen NTC</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliGen NTC LT</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliGen NT</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliGen NT LT</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliGen^{NTC} BaseBox</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliGen^{NT} BaseBox</i>	: <i>Gen-set controller for paralleling applications</i>
- <i>InteliMains 1010 Marine</i>	: <i>Mains/Utility/Tie breaker controller</i>
- <i>InteliMains NT</i>	: <i>Mains/Utility/Tie breaker controller</i>
- <i>InteliMains NT LT</i>	: <i>Mains/Utility/Tie breaker controller</i>
- <i>InteliMains^{NTC} BaseBox</i>	: <i>Mains/Utility/Tie breaker controller</i>
- <i>InteliMains^{NT} BaseBox</i>	: <i>Mains/Utility/Tie breaker controller</i>
- <i>InteliVision 5 CAN Backlit</i>	: <i>5.1" colour display for controller</i>
- <i>InteliVision 5 CAN Backlit VOLVO</i>	: <i>5.1" colour display for controller</i>
- <i>InteliVision 8 Marine</i>	: <i>8" colour display for controllers</i>
- <i>InteliVision 12 Touch OEM</i>	: <i>12" colour display for controllers</i>
- <i>InteliVision 13 Touch</i>	: <i>13" colour display for controllers</i>
- <i>IG-AVRi/Marine</i>	: <i>AVR Interface</i>
- <i>IG-MTU-2-1</i>	: <i>AC voltage measurement transformer unit</i>
- <i>IG-MTU Marine</i>	: <i>AC voltage measurement transformer unit</i>
- <i>IG-AVRi-TRANS/Marine</i>	: <i>Power Supply Transformer for IG-AVRi/Marine</i>
- <i>IGS-LSM+PMS Dongle</i>	: <i>SW key for Load sharing and Power management</i>
- <i>Inteli AOUT8</i>	: <i>CAN extension module 8 AOUT</i>
- <i>Inteli AIN8</i>	: <i>CAN extension module 8 AIN</i>
- <i>Inteli AIN8TC</i>	: <i>CAN extension module 8 Thermocouple AIN</i>
- <i>Inteli IO8/8</i>	: <i>CAN extension module 8 I/O</i>
- <i>IGS-PTM</i>	: <i>CAN extension module, 8xBI, 8xBO, 4xAI, 1xAO</i>
- <i>IS-AIN8</i>	: <i>Analogue Input Module</i>
- <i>IS-BIN16/8</i>	: <i>Binary Input/Output Module</i>
- <i>InternetBridge-NT</i>	: <i>Communication module, internet bridge</i>
- <i>I-CB</i>	: <i>Communication bridge to non-standard protocols</i>
- <i>InteliFieldBus Gateway</i>	: <i>Communication bridge to different Fieldbus protocols</i>
- <i>I-LB+</i>	: <i>Communication module USB, RS232, RS485</i>
- <i>I-LBA</i>	: <i>Low battery adaptor</i>
- <i>I-RB 16</i>	: <i>Relay board with 16 relays</i>
- <i>I-RB 8</i>	: <i>Relay board with 8 relays</i>
- <i>I-CR</i>	: <i>CAN repeater</i>
- <i>I-CR-R</i>	: <i>CAN Redundancy Module</i>
- <i>IGL-RA15</i>	: <i>Remote annunciator</i>

PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:
APPLICATION / 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,
Electrotechnical Testing Institute – EMC, 210677-01/01, dated 14.04.2021,
Electrotechnical Testing Institute – EMC, 210677-01/02, dated 03.05.2021,
Electrotechnical Testing Institute – EMC, 210979-01/01, dated 28.07.2021,
Electrotechnical Testing Institute – EMC, 211062-01/01, dated 24.05.2021,
Electrotechnical Testing Institute – EMC, 220850-01/02, dated 22.04.2022,
Research Institute of Posts and Telecommunications – EMC, 9/602/2021/Eng, dated 19.09.2021,
Electrotechnical Testing Institute – InteliGen 1000, 021208-01/02, dated 29.06.2020,
Electrotechnical Testing Institute – InteliGen 1000, 021497-01/01, dated 26.06.2020,
Electrotechnical Testing Institute – InteliGen 1000, 022026-01/01, dated 26.08.2020,
VZLU Test – InteliGen 1000, P-VZLUTEST-205/20, dated 08.07.2020,
VZLU Test – InteliGen 1000, P-VZLUTEST-217/21, dated 04.06.2021,
Research Institute of Posts and Telecommunications – InteliFieldBus Gateway, 9/613/2021-1/Eng, dated 28.10.2021,
TSU Piestany - InteliFieldBus Gateway, 214000148, dated 17.08.2021.*

OZNAČAVANJE PROIZVODA:

MARKING OF PRODUCT:

U skladu s IEC60945 – Označavanje i identifikacija (Naziv 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 FOR 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.