



POTVRDA O TIPNOM ODOBRENJU
TYPE APPROVAL CERTIFICATE

Br / No **03-001635/031345**

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:

Engine Control and Monitoring System for multiple propulsion and diesel generator applications

InteliDrive DCU-Marine ; InteliVision

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>ID-DCU-Marine</i>	<i>Diesel engine controller - marine</i>
<i>ID-RPU</i>	<i>Redundant unit – protection</i>
Pomoćni moduli / Extension modules	
<i>I-RB8, IRB16</i>	<i>Relay board 8 outputs, Relay board 16 outputs</i>
<i>IS-AIN8, IS-BIN16/8, IGS-PTM</i>	<i>Extension input modules</i>
<i>I-AOUT8</i>	<i>Extension output modules</i>
<i>I-GL-RA15</i>	<i>Remote LED annunciator</i>
<i>I-IO8/8, I-AIN8, I-AIN8TC</i>	<i>Extension modules</i>
Daljinski ekrani / Remote displays	
<i>InteliVision 5 CAN Backlit</i>	<i>Remote display 5”</i>
<i>InteliVision 8 Marine</i>	<i>Remote display 8”</i>
<i>InteliVision 12 TOEM</i>	<i>Remote display 12”</i>
Komunikacija / Communication modules	
<i>ID-COM</i>	<i>Communication unit</i>
<i>IB-NT</i>	<i>Internet Bridge</i>
<i>I-CB, I-LB+, I-CR</i>	<i>Communication module</i>

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

Sustav je prikladan za pomoćne motore-generatore, generator za nužnost i poriv s više pogonskih motora.

The system is suitable for auxiliary engines-generators, emergency generators and multi engine propulsion systems.

DOKUMENTACIJA ZA TIPNO ODOBRENJE:*TYPE APPROVAL DOCUMENTATION:*

*Technical Brochures – InteliDrive DCU Marine,
System Architecture Description,
Electrotechnical Testing Institute – Test Report No. 703780-01/01, dated 20.11.2017,
Electrotechnical Testing Institute – Test Report No. 703437-01/01, dated 26.09.2017,
Electrotechnical Testing Institute – Test Report No. 702528-01/01, dated 23.08.2017,
Electrotechnical Testing Institute – Test Report No. 600885-01/01, dated 31.03.2016,
Electrotechnical Testing Institute – Test Report No. 304982-01/01, dated 31.10.2013,
Electrotechnical Testing Institute – Test Report No. 405338-01/01, dated 02.12.2014,
Electrotechnical Testing Institute – Test Report No. 004726-01/01, dated 19.04.2011,
Electrotechnical Testing Institute – Test Report No. 302523-01/02, dated 24.07.2013,
VZLU TEST, a.s. – Test Report No. P-VZLUTEST-343/17, dated 30.08.2017,
ZUV SUD Czech s.r.o. – TECHNICAL REPORT No. 260303-11-TAC, dated 25.05.2011,
Electrotechnical Testing Institute – Test Report No. 302523-01/01, dated 26.07.2013,
Electrotechnical Testing Institute – Test Report No. 302523-01/02, dated 24.07.2013,
Electrotechnical Testing Institute – Test Report No. 400326-01/02, dated 20.02.2014,
Electrotechnical Testing Institute – Test Report No. 400328-01/02, dated 20.02.2014,
Electrotechnical Testing Institute – Test Report No. 901598-01/02, dated 15.10.2009,
Electrotechnical Testing Institute – Test Report No. 901598-01/03, dated 26.11.2009,
TUV SUD Auto CZ s.r.o. – Technical Report No. 260314-09-TAC, dated 22.10.2009.*

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.

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