

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATEBr / No **03-001426/031106**

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:

PROGRAMABILNI ELEKTRONIČKI SUSTAV
PROGRAMMABLE ELECTRONIC SYSTEM**SIMATIC ET-200 B,C,L,L-SC,M,S,X, SC,eco,eco PN,pro****PROIZVOĐAČ:**

MANUFACTURER:

Siemens AG**I IA AS MF**

Werner-von-Siemens-Str. 50

92224 AMBERG

Germany

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:

APPROVAL IS VALID UNTIL:

2018-09-04

Mjesto i datum

Place and date

Split, 2014-09-04

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:*

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 suport, monitors and controls ship's automation.

**ET 200B; ET 200C; ET 200L &; ET 200M; ET 200S; ET 200X; ET SC; ET200eco; ET200pro; ET200eco PN
 ET200L-SC**

6ES7 131	6ES7 141	6ES7 131	6ES7 153	6ES7 131	6ES7 141	6ES7 120	6ES7 141	6ES7 141	6ES7 141
6ES7 132	6ES7 142	6ES7 132	6ES7 157	6ES7 132	6ES7 142	6ES7 121	6ES7 142	6ES7 142	6ES7 142
6ES7 133	6ES7 143	6ES7 133	6ES7 158	6ES7 134	6ES7 143	6ES7 122	6ES7 143	6ES7 143	6ES7 144
6ES7 134	6ES7 144	6ES7 138	6ES7 195	6ES7 135	6ES7 144	6ES7 123	6ES7 148	6ES7 144	6ES7 145
6ES7 135	6ES7 145	6ES7 193	6ES7 654	6ES7 138	6ES7 145	6ES7 124	6ES7 194	6ES7 145	6ES7 147
6ES7 193		6ES7 127		6ES7 151	6ES7 147	6ES7 972		6ES7 148	6ES7 148
				6ES7 193	6ES7 148			6ES7 154	6ES7 194
					6GK7142			6ES7 194	

TEHNIČKA DOKUMENTACIJA / NACRTI:*TECHNICAL DOCUMENTATION / DRAWINGS:*

**Catalogue CA 01 10/2013,
 Technical data A5E00158716-02,
 Operating instructions A5E01250250-07 dated 2012/08.**

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

Sustav je odobren za primjenu na brodovima s dodjeljenom oznakom automatizacije – AUT1, AUT2 i AUT3.

Sustav napajanja 24V mora biti zaštićen s filterom Dehn Blitzductor No. 918 402 ili sličnim.

System is approved for use on board a vessels granted with automation notations – AUT1, AUT2 and AUT3.

24V power supply lines are to be protected by Dehn Blitzductor No. 918 402 or equivalent.

DOKUMENTACIJA ZA TIPNO ODOBRENJE:*TYPE APPROVAL DOCUMENTATION:*

**Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment AUT7-B8.4P-9605 dated 11.12.1996,
 Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment A&D AS RD 423-0301,
 Siemens EMC Measurements A&D ATS 6 / 04-M060 1254-A1 dated 27.02.2004,
 Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment A&D AS E423-0104,
 Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment A&D AS E423-0105,
 Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment A&D AS E423-0106,
 Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment A&D AS RD ST Type Test -0606,
 Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment A&D AS E423-0107,
 Siemens Specification for Type Tests and Test Report of Marine Electrical Equipment I IA AS RD ST Type Test – 2012-02,
 Siemens Test Certificate ET 200, Version 03/2013,
 Siemens Test Certificate ET 200, Version 04/2013,
 CRS witness test, Amberg – June 2014.**

OZNAČAVANJE PROIZVODA:*MARKING OF PRODUCT:*

Ime proizvođača, tip proizvoda, serijski broj-identifikacija i programska podrška.

The Manufacturer and Type Designation of the product, serial number and software version.

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 of application.

Raščlana

Zamjenjuje potvrdu

13.13.02

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