



中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
DB23PTB00034

型式认可证书
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

KEI SYSTEM Co.,Ltd.

地址/Address

2-23,2-chome,Kishinosato,Nishinari-ku,Osaka-shi, Japan

产品名称/Product

船用计算机系统
Marine Computer System
船用监测报警系统
Marine Monitoring and Alarm System

附加标志/Notations

无/Nil.

认可标准/Approval Standard

1. 中国船级社《钢质海船入级规范》(2023)及其变更通告第7篇第2章
Chapter 2, Part Seven of China Classification Society Rules for Classification of Sea-going Steel Ships 2023 and its Change Notices

用于/Intended for

船舶/Ships

证书有效期至/This Certificate is valid until 2027年05月23日/ May. 23,2027

发证机构 中国船级社大阪分社
Issued by CCS Osaka Branch

签发日期 2023年09月25日
Date Sep. 25,2023

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体,必须同时使用。纸质证书每页均须由本社盖章方为有效,电子证书含数字签名方为有效,本证书复印件无效。任何单位和个人不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时,可以向本社检验机构咨询。This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.

Form No: T01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)



UTN:P023-55694680

产品明细/Product Description

船用监测报警系统/Marine Monitoring and Alarm System (M0001)

名称/Name	属性(值)/Value	单位/Unit
型号/Type	KEI-3240, KEI-64S	
系统组成/System Component	Refer to the Additional Page	

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No.: NP14A01941, NP20PPP03821

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No.: LRS-TYP3240AGU-533, NK-TYP3240ILS-505, LRS-TYP3240ILS-533

试验报告日期/ Test Report Date: 2004-07-26

试验单位/ Laboratory: Kawai Electronic Innovation System Co., Ltd.

试验单位地址/ Test Address: 1-5, 1-chome, Ikunonishi, Ikuno-ku, Osaka-city, Japan

试验报告编号/ Test Report No.: NK-LCD19G-505, NK-EIHUB01-505

试验报告日期/ Test Report Date: 2010-03-03

试验单位/ Laboratory: Kawai Electronic Innovation System Co., Ltd.

试验单位地址/ Test Address: 1-5, 1-chome, Ikunonishi, Ikuno-ku, Osaka-city, Japan

试验报告编号/ Test Report No.: NK-AC220V-505, LRS-1521LCD-503, NK-TRACKY-505, NK-LCD15G-505

试验报告日期/ Test Report Date: 2010-03-03

试验单位/ Laboratory: Kawai Electronic Innovation System Co., Ltd.

试验单位地址/ Test Address: 1-5, 1-chome, Ikunonishi, Ikuno-ku, Osaka-city, Japan

试验报告编号/ Test Report No.: DB14T00152

试验报告日期/ Test Report Date: 2015-03-31

试验单位/ Laboratory: Kawai Electronic Innovation System Co., Ltd.

试验单位地址/ Test Address: 1-5, 1-chome, Ikunonishi, Ikuno-ku, Osaka-city, Japan

试验报告编号/ Test Report No.: LR-KEI-64S-505

试验报告日期/ Test Report Date: 2017-05-16

试验单位/ Laboratory: KEI SYSTEM Co., Ltd.

试验单位地址/ Test Address:

试验报告编号/ Test Report No.: LR-KEI-LCD-505

试验报告日期/ Test Report Date: 2017-06-29

试验单位/ Laboratory: KEI SYSTEM Co., Ltd.

试验单位地址/ Test Address:

试验报告编号/ Test Report No.: CCS-KEI-3240-1902

试验报告日期/ Test Report Date: 2019-08-26

试验单位/ Laboratory: KEI SYSTEM Co., Ltd.

试验单位地址/ Test Address: 1-1-5 ikuno-nishi ikunoku osaka Japan

试验报告编号/ Test Report No.: A-101-21-A, A-405-20-A (IACS UR E10 rev.7)

试验报告日期/ Test Report Date: 2021-04-16

试验单位/ Laboratory: KEC Eletronic Industry Development Center

试验单位地址/ Test Address: 3-2-2, Hikari-dai, Seika-cho, Soraku-gun, Kyoto 619-0237 Japan

试验报告编号/ Test Report No.: CCS-KEI-64S-505

试验报告日期/ Test Report Date: 2021-04-21

试验单位/ Laboratory: KEI SYSTEM Co., Ltd.

试验单位地址/ Test Address: 1-5, 1-chome, Ikunonishi, Ikuno-ku, Osaka-city, Japan

试验报告编号/ Test Report No.: DB23PTB00034

试验报告日期/ Test Report Date: 2023-07-28

试验单位/ Laboratory: KEI SYSTEM CO., LTD.

试验单位地址/ Test Address:

认可后的产品检验方式/ Method of Product Inspection after Approval

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:
认可后的产品检验由制造厂按本社批准的产品检验计划进行检验, 经检验合格后由制造厂签发合格证明, 并连同该产品的本社认可证书复印件一并交付用户, 制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。
After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

认可保持条件/ Maintenance Requirements of Approval

1. 型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批。并在检验机构认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

2. 工厂的质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 认可证书有效期内, 如果出现可能导致本社取消认可的情况, 工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.

4. 在认可证书有效期内, 本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 如果属于获得型式认可B 模式证书, 且无需颁发船用产品证书/等效证明文件的情况, 证书获得者应接受本社每年一次的定期审核, 定期审核日为认可证书期满之日对应的每一周年日, 检查工作应在周年日的前后三个月内进行。

If belong to the situation of the product has type approval mode B certificate, and marine product certificate/equivalent document is not necessary, those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

备注/Remarks

1. 本证书由原型式认可证书 (No. DB20PTB00136) 变更并换新。

This certificate is modified and renewed from the previous Type Approval Certificate No. DB20PTB00136.

2. 本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。

The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

中国船级社大阪分社
CCS Osaka Branch

注: 本证书含有附页, 共2页

Note: The certificate is attached with additional 2 page(s)

KEI-3240 Computer System

Name	Type	Outline	IP Grade
Power supply for ILS System Local	SVA24SA	Out 24V In AC100V	--
	SVA24SB	Out 24V In AC220V	
	SVA24SC24	Out 24V In DC24V	
ILS System Local Unit (KEI-ILS)	ILS-DI	Contact input unit	--
	ILS-DV	AC voltage input unit	
	ILS-DO	Contact output unit	
	ILS-AII	Current input unit	
	ILS-AVI	Voltage input unit	
	ILS-PT	3 wire Pt input unit	
	ILS-VR4	Potentiometer input unit	
	ILS-BIO	Current output unit	
	ILS-BVO	Voltage output unit	
	ILS-REP	ILS line repeater unit	
Keyboard	ENTRY-KEY32	32 Key	IP22
Trackball and Keyboard	TRACKEY-032/01	Trackball and Keyboard (32 Key)	IP22
LCD Display Panel	KEI-15LCD	15" LCD Display Panel (AC100V/AC220V) Desk mount type	IP22
	KEI-17LCD	17" LCD Display Panel (AC100V/AC220V) Desk mount type	
	KEI-19LCD	19" LCD Display Panel (AC100V/AC220V) Desk mount type	
	KEI-21LCD	21" LCD Display Panel (AC100V/AC220V) Desk mount type	IP22
	KEI-LCD10A	10.4" LCD Display Panel (AC100V) Flush mount type	
	KEI-LCD10D	10.4" LCD Display Panel (DC24V) Flush mount type	
	KEI-LCD15GA	15" LCD Display Panel (AC100V) Flush mount type	
	KEI-LCD15GA2	15" LCD Display Panel (AC220V) Flush mount type	
	KEI-LCD15GD	15" LCD Display Panel (DC24V) Flush mount type	
	KEI-LCD19GA	19" LCD Display Panel (AC100V) Flush mount type	
	KEI-LCD19GA2	19" LCD Display Panel (AC220V) Flush mount type	
	KEI-LCD19GD	19" LCD Display Panel (DC24V) Flush mount type	
Power supply for LCD	SVB12SA	Out 12V In AC100V	--
	SVB12SB	Out 12V In AC220V	
	SVB12SC24	Out 12V In DC24V	



KEI-64S Computer System

Name	Type	Outline	IP Grade
Host computer	KEI-64S-A	64bit CPU DDR3L-SDRAM	IP22
	KEI-64S-D	64bit CPU DDR3L-SDRAM	IP22
Power supply	PLA30F-12	AC100V or AC220V	--
	STMGFS302412	DC24V	--
	ESS50-12 (ES series)	AC100V or AC220V	--
	SVB12SC24	DC24V	--
Wide LCD Display	KEI-W21LCD KEI-W24LCD KEI-W27LCD	Rated input : AC100V/AC220V	IP22
ILS module	ILS-DI	Contact input unit	--
	ILS-DV	AC voltage input unit	
	ILS-DO	Contact output unit	
	ILS-AII	Current input unit	
	ILS-AVI	Voltage input unit	
	ILS-PT	PT input unit	
	ILS-VR4	Potentiometer input unit	
	ILS-BIO	Current output unit	
	ILS-BVO	Voltage output unit	
	ILS-REP	ILS line repeater unit	
ILS interface module	ILS-ETH	Interface between host computer and ILS modules	--
Power supply (ES series)	ESS15-24	Rated input voltage: AC100V- AC220V Rated output voltage: DC24V	--
	ESS30-24		
	ESS50-24		
	ESS75-24		
	ESS100-24		
	ESS150-24		
Power supply (SV series)	SVB24SC24	Rated input voltage: DC24V Rated output voltage: DC24V	--
Noise Filter	RSAN-2006	AC220V/AC100V/DC24V	IP22
	RSAN-2010		
	RSAN-2016		

