



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	KEI SYSTEM Co., Ltd.
Address	2-2-23, Kishinosato, Nishinari-ku, Osaka-city, 557-0041, Japan
Place of Production	KEI SYSTEM Co., Ltd. 2-2-23, Kishinosato, Nishinari-ku, Osaka-city, 557-0041, Japan
Type	Computer Systems
Description	Computer System
Trade Name	KEI-64S Series (See Appendix for details)
Application	Marine and offshore applications for use in environmental categories, ENV2 & ENV3 in the "Bridge and Deck Zone" as defined in LR Type Approval System Test Specification No. 1-2021 where the Test Specification is satisfactory for the intended operation.
Ratings	Input voltage KEI-64S-A : AC 100V – AC 220V KEI-64S-D : DC +24V

Sachie Fujii

Senior Surveyor to Lloyd's Register Group Ltd
A member of the Lloyd's Register group



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Other Conditions

- a) The certificate attests to the hardware's suitability for the environmental categories stated.
- b) Suitability of the software and system configuration is subject to a separate plan appraisal according to the Lloyd's Register Rules and Regulations when placed on Lloyd's Register classed vessels.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Group Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR22345612TA

The Design Appraisal Document LR22345612TA-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

Trade Name

KEI-64S Series

Comprising:

Name	Type
Host computer	KEI-64S-A, KEI-64S-D
Power supply	PLA30F-12, ESS50-12, STMGFS302412, SVB12SC24, LRS-35-12, RSD-30G-12
ILS module	ILS-DI, ILS-DV, ILS-DO, ILS-AII, ILS-AVI, ILS-PT, ILS-CA, ILS-VR4, ILS-BIO, ILS-BVO, ILS-REP
ILS interface module	ILS-ETH
Power supply (ES series)	ESS15-24, ESS30-24, ESS50-24, ESS75-24, ESS100-24, ESS150-24
Power supply (SV series)	SVB24SC24
Noise filter	RSAN-2006, RSAN-2010, RSAN-2016

-End of Appendix-