



Type Approval Certificate

Germanischer Lloyd

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

Certificate No. 26 622 - 05 HH

Company Kawai Electronic Innovation Systems (KEI) Co., Ltd.
1-1-5 Ikuno-nishi Ikuno-ku
Osaka 544-0024, Japan

Product Description Alarm- and Monitoring System

Type KEI-3240

Environmental Category A/C, EMC1

Technical Data / Range of Application System may consist of following components:

Host and Graphic Computer type AGUIV (Environmental cat. A):
KEI-3240A, power supply 100VAC;
KEI-3240D, power supply 24VDC;

ARCNET I/F Module (Environmental cat. A):
PC4-ARC, RS485, 2.5Mbps;

ILS System I/F Center Module (Environmental cat. A):
PC4-ILS, RS485, 156.25 kbps;

ILS System Power Supplies Units:
SVA24SA: Input 100VAC, 50/60Hz; Output 24VDC, 1.1A;
SVA24SC24: Input 24VDC (18..31.2V); Output 24VDC, 1.1A;
Noise Filter type MBW12R5-22, rated voltage 250V AC/DC.

Test Standard Guidelines for the Performance of Type Approvals Part 2, Edition 2003
Regulations for the Use of Computers and Computer Systems.

Documents Test reports: LRS-TYP3240AGU-533, LRS3240ILS-533, NK-TYP3240ILS-505, NK-TYP3240-510, LRS-TP3240-515; specification LRS-TYP3240-532, dated 2004-02-25;
Software Questionnaire RC3.

Remarks None.

Valid until 2010-05-15

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Hamburg, 2006-06-27

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J. Wittburg
Jürgen Wittburg

J. Dietrich
Jens Dietrich

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".



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ILS System Local I/O Units:

ILS-DI: 16 Channel Binary Input;
ILS-DV 16 Channel AC Voltage Input, 110..220VAC;
ILS-DO1 16 Channel Relay Output;
ILS-DO2 16 Channel Transistor Output;
ILS-AII 8 Channel Current Input 4..20mA;
ILS-AVI 8 Channel Voltage Input, 0..5V, 0..10V, -10..+10V;
ILS-PT 8 Channel RTD Input, PT100;
ILS-VR4 8 Channel Rheostat Input, 1kΩ;
ILS-BIO 4 Channel Current Output 4..20mA;
ILS-BVO 4 Channel Voltage Output 0..5V, 0..10V, -5..+5V, -10..+10V;
ILS-REP ILS Line Repeater;
Accuracy for analog I/O modules: +/- 0.6%.

ILS components to be mounted in a self-contained steel cabinet.

Bus Extension Alarm Panels, power supply 24VDC, to be used with noise Filter MBW12R5-22:

KEI-EXT1WH0 Wheelhouse Type with dimmer;

KEI-EXT1WM0 Wall Mount Type;

KEI-EXT1FM0 Flush Mount Type.

Remark: Automatic back-up engineer call to all panels to be provided additionally.

Keyboard:

ENTRY-KEY32, 32-key compact keyboard;

Type approved displays/monitors to be used.

System Functions:

Alarm- and Monitoring with graphic visualisation, alarm printout,
Data logging, Trends, alarm grouping,
System diagnostic mimics.

Application Software Module Versions according to version list K1012, dated 2005-05-11.

Valid until 2010-05-15

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