

Type Approval Certificate



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. **54 648 - 07 HH**

Company **Huegli Tech AG
Murgenthalstrasse 30
4900 Langenthal, SWITZERLAND**

Product Description **Modular Gen-set Controller**

Type **InteliGen / InteliSys, IGS-NT family**

Environmental Category **C, EMC2**

Technical Data /
Range of Application **InteliSys:
IS-NT-BB Marine: Base box;
IS-Display Marine, IS Display LT Marine (HMI);
IS NT Marine (complete unit IS-NT-BB + IS Display);**

**InteliGen (options in brackets):
IG-NT(C)-(GC)-(LT) Marine: Control Panel with HMI,
IG-EE(C)-(GC)-(LT) Marine: Control Panel with HMI for electronic engines,
IG-Display Marine (LT) (GC),
C: add. interfaces USB + RS232(RS485); selectable U/I input ranges,
GC: add. graphical character support,
LT: Low temperature version, -40°C.**

**Extension Modules:
I-AOUT8: 8 analog outputs;
I-RB8, I-RB8-231: 8 relay outputs.**

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2003
Regulations for the Use of Computers and Computer Systems, 1994**

Documents **Test reports: ECU 603501-01/01...04, 2006-11-30; IGS-NT Electric Protection Tests
ECU 803647-01/01, 2008-12-03; Additional EMC Tests of IGS-NT Control System
ECU 803841-01/01, 2008-12-08; ECU 803841-01/03, 2009-01-13; Test report ComAp
Suppl. Test, 2009-02-27; SW-Questionnaire RC3.**

Remarks **Separate synchroniser and short circuit protection required.
Separate safety system for the prime mover required.**

Valid until **2013-12-02**

Page **1 of 2**

File No. **I.B.02**

Hamburg, 2009-03-13

Type Approval Symbol



Germanischer Lloyd


Jürgen Wittburg


Jens Dietrich

Type Approval Certificate



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. 54 648 - 07 HH

Common Modules:

IG-AVRi Marine: AVR interface;
IG-AVRi TRANS Marine: Supply Transformer for IG-AVRi;
IGS-NT LSM+PMS: Dongle for Load Sharing and Power Management;
IG-MTU, IG-MTU-2-1: Mains Transformer Units;
I-LBA: Low battery adaptor.

Communication Modules:

I-LB+: CAN / USB, RS232, RS485 bridge for multiple controllers connection;
I-CR: CAN repeater module;
I-CB: Communication bridge with non-J1939 electronic engines.

ANSI Functions:

59 Overvoltage
27 Undervoltage
47 Phase sequence voltage
81H Overfrequency
81L Underfrequency
51 Overcurrent (range 100...200%)
46 Current unbalance
32 Overload
51N+64 Earth Fault
32R Reverse power

Suitability to be checked for the respective application.
ComAp Marine Application Notes (Feb. 2009) to be observed.

Valid until 2013-12-02

Page 2 of 2

File No. I.B.02

Hamburg, 2009-03-13

Type Approval Symbol



Germanischer Lloyd


Jürgen Wittburg


Jens Dietrich