



# 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. 20 502 - 04 HH

Company Furuno Electric Co., Ltd.  
9-52 Ashihara-cho  
Nishinomiya 662-8580, Japan

Product Description Ship Security Alert System

Type FELCOM 16 SSAS

Environmental Category C; F (antenna); EMC1

Technical Data / Range of Application Ship Security Alert System (SSAS) based on Inmarsat Mini-C with an integral GPS receiver consisting of:  
- Antenna unit, IC-116  
- Communication unit, IC-216  
- Junction box, IC-315  
- SSAS alert unit, IC-307

Power supply: 12 - 24 V DC, 60 W (max.)

Software Version:  
1650160-03 (DCE)  
1650166-03 (DTE)  
Test and evidence according to Requirement Class 1.

Test Standard IMO Res. MSC.147(77); MSC/Circ.1072; IEC 60945 (2002);  
Guidelines for the Performance of Type Approvals, Part 2 (2003).

Documents Test reports: FLI 12-04-008; FLI 12-04-013; Inmarsat T.A.P. No. 04  
Manuals: Operator's Manual (Inmarsat Mini-C) OME-56380-Edition C1; Installation Manual IME-56380-Edition C; Operator's Manual (SSAS) OME-56351-Edition A;  
Telefication Statement No. 02214281/AA/00; Inmarsat Cert. No. 4FE088

Remarks None

Valid until 2009-05-11

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Type Approval Symbol



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J. Wittburg

H. Kuhn