



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. **75 281 - 09 HH**

Company **sm electrics GmbH
services & more
Am Wulfsberg 17
24217 Stakendorf, GERMANY**

Product Description **Bridge Navigational Watch Alarm System (BNWAS)**

Type **le guardian 2025**

Environmental Category **A, EMC 1**

Technical Data /
Range of Application **The Bridge Navigational Watch Alarm System type: le guardian 2025 is fully in compliance with the requirements of MSC.128(75) and consists of the following equipment:**

**1. le guardian 2025 connecting module, type: LCM 210.24.0.0
2. le guardian 2025 operating device, type: LOD 210.24.0.0**

Additional equipment:

**1. Watch Alarm Reset Unit WAR 220.2.1.0
2. Watch Alarm Reset Unit WAR 220.2.0.0
3. Watch Alarm Panel (Alarm Device) WAP 220.4.0.0
4. Watch Alarm Panel (Alarm Device) WAP 220.2.0.0
5. Watch Alarm Reset Button WAR 220.1.0.0
6. Watch Alarm Extension buzzer WAB 220.2.0.0
7. Watch Alarm Extension buzzer (Wall mounted IP56b) WAB 220.1.0.0**

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2003
IMO Resolutions: MSC.128(75), A.830(19), IEC 60945 (2002),**

Documents **Test report : Functional Test: LCM210.24.0.0 ASRevB GLTest**

Remarks **None**

Valid until **2014-07-30**

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Hamburg, 2010-08-23

Type Approval Symbol



Germanischer Lloyd

Hartmut Kuhn

Harald Bluhm



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- 8. Watch alarm panel, bulkhead for officer's cabin, WAP 220.5.0.0
- 9. Watch Alarm Motion Sensor Kit, WMS 220.2.0.0

The requirements given by IMO Resolution A.830(19) regarding personnel alarm are fulfilled by the following equipment:

- 1. le guardian 2025 connecting module, type: LCM 212.24.0.0
- 2. le guardian 2025 operating device, type: LOD 212.24.0.0

Additional equipment:

- 1. Personnel Alarm Reset Unit WAR 222.2.1.0
- 2. Personnel Alarm Reset Unit WAR 222.2.0.0
- 3. Personnel Alarm Panel (Alarm Device) WAP 222.4.0.0
- 4. Personnel Alarm Panel (Alarm Device) WAP 222.2.0.0
- 5. Personnel Alarm Reset Button WAR 222.1.0.0
- 6. Personnel Alarm On/Off WAP 222.3.0.0

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