



# NIPPON KAIJI KYOKAI

## TYPE APPROVAL CERTIFICATE FOR SYSTEMS AND EQUIPMENT WITH CYBER RESILIENCE

Certificate No. TA26269M


**This is to certify** that the undernoted product(s) has/have been approved in accordance with the requirements specified in Chapter 10, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”, IACS UR E27 and the relevant Society's Rules.


This certificate is issued to

Manufacturer:	<b>DEIF A/S</b>
Place of Manufacturer:	<b>Frisenborgvej 33, 7800 Skive, Denmark</b>
Product description/ Intended for:	<b>Controller units for protection, parallelling and power management</b>
Model:	<b>iE 250/350/650 series</b>
Approval No.:	<b>26CY026</b>
Valid until:	<b>16 April 2031</b>

The details are described in the attached sheet(s).

Issued at Tokyo on 17 April 2026.

  
T. Okamoto  
General Manager  
Machinery Department



Note: The applicant, if desired, is requested to apply to the Society for renewal prior to the expiration date.

**Systems and Equipment with Cyber Resilience:**

**1. Rules and standards:**

- The product is satisfied with requirement of Chapter 4, Part X of the Rules for the Survey and Construction of Steel Ships, as amended by IACS UR E27 Rev.1.

**2. Limitation:**

- The product is not capable of communicating to untrusted networks in accordance with requirement of 4.4.3, Part X of the Rules for the Survey and Construction of Steel Ships, as amended by IACS UR E27 Rev.1.
- Major changes of the type approved system affecting future deliveries are to be informed to the Society. If the changes are considered to affect functionality for which rule requirements apply, a new functional type test may be required, and the certificate may have to be renewed to identify the new version.
- Minor changes of the type approved system not affecting functionality for which rule requirements apply are to be documented and submitted.
- For each vessel, Computer-based system asset inventory, Topology diagrams and Test reports are to be submitted for approval or reference in accordance with Table X2.3, Part X of the Rules for the Survey and Construction of Steel Ships.

**3. Components:**

Component	Software Name	Version
iE 250 Marine/ iE 250 Marine PM	Operating System (Linux)	5.0.9.1
	Controller Application	2.0.16.1
	REST Version	1.0.7.1
	CODESYS Version	1.3.8.0
	HMI Web Config Version	1.0.2.0
	HMI Display Web UI	1.0.7.1
	MIO Version	1.1.0.0
iE 350 Marine/ iE 350 Marine PM	Operating System (Linux)	5.0.9.1
	Controller Application	2.0.16.1
	REST Version	1.0.7.1
	CODESYS Version	1.3.8.0
	HMI Web Config Version	1.0.2.0
	HMI Display Web UI	1.0.7.1

- To be continued -

Component	Software Name	Version
iE 250 PLC	Operating System	5.0.9.1
	PLC Application	2.0.16.1
	REST Version	1.0.7.1
	CODESYS Version	1.3.8.0
	HMI Web Config Version	1.0.2.0
	HMI Display Web UI	1.0.7.1
	MIO Version	1.1.0.0
	CODESYS SDK	3.5.21.10
iE 350 PLC	Operating System	5.0.9.1
	Controller Application	2.0.16.1
	REST Version	1.0.7.1
	CODESYS Version	1.3.8.0
	HMI Web Config Version	1.0.2.0
	CODESYS SDK	3.5.21.10
iE 650 PLC	Operating System	5.0.9.1
	Controller Application	2.0.16.1
	REST Version	1.0.7.1
	CODESYS Version	1.3.8.0
	HMI Web Config Version	1.0.2.0
	CODESYS SDK	3.5.21.10

- To be continued -

**4. Documentation and Test Reports:**

- iEx50 Asset Inventory (Version: 1.3.0, Date: 12-Feb-2026)
- iEx50 E27 Security Requirements (version: C, 16-Feb-2026)
- iE250 E27 Test Specification (Version: 1.1.0, Date: 24-Feb-2026)
- iE350 E27 Test Specification (Version: 1.1.0, Date: 24-Feb-2026)
- iE650 E27 Test Specification (Version: 1.1.0, Date: 24-Feb-2026)
- CODESYS E27 Test Specification (Version: 1.1.0, Date: 10-Sep-2024)
- SW test strategy
- iEx50 Security Capabilities (Ref.: 12345678901A EN)
- Secure Development Lifecycle (Version: 1.0.1, Date: 30-Aug-2024)
- iEx50 E27 Recovery Plan (Revision: B, Date: 16-Feb-2026)
- PICUS PC Utility software User's manual (Ref.: 4189341362C EN)
- Handbook for Software development (Ref.: 4910000011AK)
- Software life-cycle overview
- HW – Guide to construction changes (Ref.: EMS-30-10-2017)
- DEIF PTI system (Portfolio & Technology Improvement)
- QI 8.2.5 Customer service & support (V.6.0)
- RINA Visit Report iE250, iE350, iE650 IACS UR E27 Cyber Security Certification Survey

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