



NIPPON KAIJI KYOKAI

## TYPE APPROVAL CERTIFICATE FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA18133M

**This is to certify** that the undernoted product(s) has/have been approved in accordance with the requirements specified in Chapter 1, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use” and the relevant Society's Rules.

This certificate is issued to

Manufacturer: **NORIS Automation GmbH**  
Place of Manufacturing: **Friedrich-Barnewitz-Strasse 10, 18119 Rostock Germany**  
Product description: **Programmable Logic Controller System**  
Model: **NORISYS 4**

Approval No.: **12A025**  
Valid until: **25 June 2022**

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 26 June 2017.

  
F. Taguchi  
General Manager  
Machinery Department

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

**Specification & documents:**

1. Particulars: Power supply: 24VDC

2. Components:

- (1) NORISYS 4 CPU
- (2) NORISYS 4 UNIO 4AI
- (3) NORISYS 4 UNIO 8AI
- (4) NORISYS 4 UNIO 4AO
- (5) NORISYS 4 UNIO 8AO
- (6) NORISYS 4 UNIO 4AI-4AO
- (7) NORISYS 4 UNIO 8PT100
- (8) NORISYS 4 24DIO

3. Documentation and Test Reports:

(1) Drawings

091.001.03

091.002.03

091.003.03

81028622

00748363 / 00748365

00748364 / 00748392

SAR40-c, SAR41-c, SAR42-d, SAR43-a,

(2) Manuals / descriptions :

PR-NORISYS 4 en V01.00-08/2010

NAR-KD-0100-1-en NORISYS 4 Platform Manual V1.50

NAR-KD-0101-1-en NORISYS 4 Basic software routines description V1.41

NAR-KD-0101-2-en NORISYS 4 Functional software routines description V1.34

NAR-PD-0100-2-en NORISYS 4 Hardware description V0.16

NORISYS 4 Firmware V079002

NAR-PD-0100-10-en NORISYS 4 Overview Suppliers V1.00

NAR-PD-0110-1-en Firmware element ModBus firmware routines description V1.01

(3) EMC test reports :

D/11/3863/01 NORISYS 4 CPU

D/11/3863/02 NORISYS 4 UNIO 4AI 4AO

D/11/3863/03 NORISYS 4 UNIO 8PT100

D/11/3863/04 NORISYS 4 24DIO