



NIPPON KAIJI KYOKAI

Certificate of **TYPE APPROVAL**

Manufacturer: Siemens AG A&D AS RD ST Type Test
Place of Manufacturing: Werner-von-Siemens-Str. 50, 92224 Amberg, Germany
Product description: Programmable Electronic System
Model : SIMATIC S7-200
Approval No. : 01A027
Specification & documents: As shown on the attached sheet (-1/2)
Test items & approval conditions: As shown on the attached sheet (-2/2)

THIS IS TO CERTIFY that the above mentioned model of the product has been type approved for extension with **Approval No. 01A027** by the NIPPON KAIJI KYOKAI in accordance with the requirements specified in Chapter 1, Part 7 of Guidance of the approval and type approval of materials and equipment for marine use and relevant Society's Rules.

This certificate will remain in force until the day of 5th November 2013.

Issued at Tokyo on the day of 12th October 2007.



S. Ogawa
General Manager,
Machinery Department

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

Attached sheet - 1/2 to Certificate No. TA07476M

Specification & reference documents :

1. Rating : DC 24V, AC 120V or 230V

2. Components and reference documents:

Components	Documents
CPU 210/212/214/215/216/221/222/224/226	Catalog ST 70•1999, Catalog ST 70•News 2000, Catalog ST 80•1999, Siemens Katalog CA 01 04/00SED
SIM 274	
MC 291	
EM 221/222/223/231/232/235/241/253	
TD 200	
CP 243	

3. Test Reports : AUT 7-B 8.4P-9602,
A&D AS E423-0101
A&D AS RD 423-0301

-- To be continued --

Attached sheet - 2/2 to Certificate No. TA07476M

Testing items & approval conditions:

1. Testing items :

(Applied testing items are marked with X.)

ENVIRONMENTAL TESTS		Mark
External examination		X
Operation test and performance test		X
Electric power supply failure test		X
Power supply fluctuation test	Electric	X
	Pneumatic and Hydraulic	--
Insulation resistance test		X
High voltage test		X
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test (Temperature $70^{\circ}\text{C} \times 16\text{hours}$)		X
Damp heat test		X
Vibration test (Acceleration $\pm 1.0\text{g} \times 1.5\text{hours}$)		X
Inclination test		--
Cold test (Temperature $-25^{\circ}\text{C} \times 16\text{hours}$)		X
Salt mist test		--
Electrostatic discharge immunity test		X
Radiated radio frequency immunity test		X
Conducted low frequency immunity test		X
Conducted high frequency immunity test		X
Burst / Fast transient immunity test		X
Surge immunity test		X
Radiated emission test		X
Conducted emission test		X

2. Approval condition:

The equipment is not allowed to be installed in the bridge and exposed weather deck area.

-- The end --