



NIPPON KAIJI KYOKAI

EUROPEAN UNION RECOGNISED ORGANISATION (EU RO) MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE In accordance with Article 10.1 of EU Regulation 391/2009

This is to certify to the Manufacturer named below, that the Product referred to herein has been inspected for the Manufacturer, pursuant to the relevant requirements of the European Union Recognised Organisation Mutual Recognition procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements. The most demanding and rigorous standard from all EU ROs has been taken as a reference for the development of the Technical Requirement on which present certificate is based.

This certificate is issued to

Applicant :	Schneider Electric Japan Holdings Ltd.
Place of Applicant :	4-4-9 Kitahama, Chuo-ku, Osaka, Japan
Factory / Place of Factory :	Wuxi Pro-face Co., Ltd. No.20 Hanjiang Road, Wuxi, Jiangsu, China Pt Schneider Electric Manufacturing Battam Batamindo Industrial Park, Jl Beringin Lot 4, Muka Kuning, Battam Island, Indonesia
Product description :	Human Machine Interface
Model :	PFXST6300TAD#, PFXST6500TAD# PFXSTC6300TADDK#, PFXSTC6300TADDC# (# See attached sheets)
Design evaluation document No.	KB24ME0286-SK0
Certificate No. :	EUTA24536M
Valid until :	19 July 2028

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

Issued at Tokyo on 7 October 2024.



S. Oishi
General Manager
Machinery Department

Particulars:

Manufactured at Wuxi Pro-face Co., Ltd.:

Model	PFXST6300TAD#	PFXST6500TAD#
External dimensions	169.5 x 137 x 58 mm	315 x 241 x 55.3 mm
Display Size	5.7"	10.4"
Display Type	TFT Color LCD Touch Panel	
Rated input voltage	DC24V	
IP rating	IP65	
Firmware version	1.0	

may be blank, any number(s) or letter(s) that indicates color, PCBA coating, memory size or software combinations.

Manufactured at Pt Schneider Electric Manufacturing Battam:

Model	PFXSTC6300TADDK#	PFXSTC6300TADDC#
External dimensions	169.5 x 137 x 60 mm	169.5 x 137 x 60 mm
Display Size	5.7"	5.7"
Display Type	TFT Color LCD Touch Panel	
Rated input voltage	DC24V	
Cooling method	Natural air circulation	
IP rating	IP65	
Firmware version	1.0	

may be blank, any number(s) or letter(s) that indicates color, PCBA coating, memory size or software combinations.

- To be continued -

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Attached sheet -2/6 to the certificate No. EUTA24536M

Documents and drawings:

- ST6000 Series Hardware Manual dated 07/2022 (ST6000-MM01-EN_04)
- STC6000 Series Hardware Manual dated 05/2023 (STC6000-MM01-EN_00)
- Leaflet_ST6500_6300
- Instruction sheet dated 2023.7 (JYT84249_03)
- PRODUCT TEST SYNTHESIS dated 2022.06.24 (202204-091)
- PRODUCT TEST SYNTHESIS dated 2023.01.03 (202305-091)
- AURORA_RAIKOU 5.7 BASIC OF PRODUCT LABEL (JYT6770602 Revision: 06)
- RAIKOU 5.7 BASIC COMBO PRODUCT LABEL (GEX8722601)
- List of critical components PFXST6300TADE / PFXST6500TADE
- List of critical components PFXSTC6300TADDKE / PFXSTC6300TADDCE
- UL Yellow Card for Overlay (E86511)
- UL Yellow Card for Rear Cases (E121562)
- PCBA FOR RAIKOU CPU BOARD 5.7INCH (NNZ5593001 Revision 03, NNZ5593002 Revision 03, NNZ5593003 Revision 03)
- PCB FOR RAIKOU CPU BOARD 5.7INCH COMBO (NNZ9627520 Revision 01, NNZ5592701 Revision 02, NNZ5592702 Revision 02)
- PCBA FOR RAIKOU IO BOARD 5.7INCH OP (NNZ9627101 Revision 02, NNZ9627102 Revision 02, NNZ9527103 Revision 02)
- PCB FOR RAIKOU STEP1 DIO (NNZ5724620 Revision 02, NNZ5724701 Revision 02, NNZ5724702 Revision 02, NNZ5724801 Revision 02, NNZ5724802 Revision 02)
- PCBA FOR RAIKOU CPU BOARD 10.4INCH (NNZ5593801 Revision 03, NNZ5593802 Revision 03, NNZ5593803 Revision 03)
- Software design procedure (DEV-4403 B)
- Software evaluation procedure (DEV-4702 C)
- Master Data Management Guidelines (DEV-5504 I)

- To be continued -

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Attached sheet -3/6 to the certificate No. EUTA24536M

Test procedures and reports:

- Test Plan for HMI in Marines dated 2023/2/2 (22RT-4RE00415-4)
- Test Plan for Aurora Raikou Basic Combo dated 2023.11.16
- Test Report dated 12 May 2023 (LIC 12-23-053)
- Test Report dated 12 May 2023 (LIC 12-23-054)
- Test Report dated Jun. 27, 2022 (A2220241436101)
- Test Report dated 25 Mar. 2024 (LIC 12-23-191)

Rules and standards:

- IACS UR E10 Revision 8
- EU RO Mutual Recognition Technical Requirements
 - DISPLAY MONITORS, VIDEO SCREENS, TERMINALS Version 0.6
 - TOUCH SCREEN I.E. A DISPLAY MONITOR OR A VIDEO SCREEN THAT IS ALSO AN INPUT DEVICE Version 0.4
 - COMPUTERS AND PROGRAMMABLE LOGIC CONTROLLERS (PLCS) Version 0.8

- To be continued -

Test 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°C × 16 hours)		X
Damp heat test		X
Vibration test (Acceleration ±0.7g × 1.5 hours)		X
Inclination test		--
Cold test (Temperature -25°C × 16 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
Flame retardant test		--
Compass safe distance measurement		--
Acoustic noise and signals measurement		--
Shock test (Acceleration ±5.0g)		X

*The touch functionality has been verified during the tests.

- To be continued -

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Attached sheet -5/6 to the certificate No. EUTA24536M

Limitation:

- The products are not allowed to be installed on open decks.
- The products are not allowed to be installed 5 m or less from the magnetic compass.

Generic statement:

When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

- American Bureau of Shipping (ABS);
- Bureau Veritas (BV);
- China Classification Society (CCS);
- Croatian Register of Shipping (CRS);
- DNV;
- Indian Register of Shipping (IRS);
- Korean Register (KR);
- Lloyd's Register Group Ltd. (LR);
- Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);
- Polish Register of Shipping (PRS);
- RINA Services S.p.A. (RINA);

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).

- To be continued -

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Attached sheet -6/6 to the certificate No. EUTA24536M

Others:

- This Certificate is subject to Terms and Conditions for Mutual Recognition of Type Approval.
- This Certificate is valid only so long as the certificates related to the quality control system are valid.
- The manufacturer is requested to apply annually to the Society for periodical assessment.
- The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

- The End -