



Marine & Offshore

Certificate number: 40015/B0 BV

File number: AP4620

Product code: 4483H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

Schneider Electric Japan Holdings Ltd.

Osaka - JAPAN

for the type of product

DISPLAY MONITORS / VIDEO SCREENS / TERMINALS

HMI's SP5000 series and Displays FP5000 series

HMI's Magelis / Harmony GTU and Display DID series

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.

EC Code: 31B/41B

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 13 Jul 2026

For Bureau Veritas Marine & Offshore,

At BV KOBE, on 13 Jul 2021,

Shinichi Takemoto



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **SP5000** series are display units with additional box modules installed on rear side.

The **FP5000** series are displays for cut-out mounting.

The **Magelis / Harmony GTU** series are display units with additional box modules installed on rear side.

The **Magelis / Harmony iDisplay** series are displays for cut-out mounting.

1.1 - Main characteristics:

Mounting position :	vertical
Degree of Protection :	
SP5000/FP5000	IP65/IPX7 (USB hatch without screw) IP66/IPX7 (USB hatch with screw) IP66/IPX7 (without front USB hatch)
Magelis / Harmony	IP66/IPX7

Series	Magelis / Harmony		Pro-face	
SP5000 Series (display module)	HMIDT542#	1.6	PFXSP5500TPD#	1.4
	HMIDT642#	1.6	PFXSP5600TPD#	1.4
	HMIDT643#	1.9	PFXSP5660TPD#	1.6
	HMIDT732#	1.6	PFXSP5700TPD#	1.4
	HMIDT351#	1.6	PFXSP5400WAD#	1.4
	HMIDT551#	1.6	PFXSP5500WAD#	1.4
	HMIDT651#	1.6	PFXSP5600WAD#	1.4
	HMIDT752#	1.2	PFXSP5700WCD#	1.0
	HMIDT952#	1.2	PFXSP5800WCD#	1.0
SP5000 Series (box module)	HMIG3U#	6.1	PFXSP5B10#	7.1
	HMIG5U#	6.1	PFXSP5B40#	8.0
	HMIG5U2#	11.0	PFXSP5B41#	8.0
FP5000 Series	HMIDID64DTD1#	1.9	PFXFP5600TPD#	1.4
	HMIDID73DTD1#	1.9	PFXFP5700TPD#	1.4

may be followed by any letter or numbers that indicate color, PCBA coating, memory size or software combinations.

2. DOCUMENTS AND DRAWINGS:

- Installation Guide SP5000 Series (Display Module); Installation Guide SP5000 Series (Box Module);
- Quick Reference Guide GTU (Box Module) ; GTU (Display Module); iDisplay HMI DID Series;
- SP5000 Series Hardware Manual;
- Installation Guide FP5000 Series; FP5000 Series User Manual
- EAV9936000 Rev. 00; EAV9938300 Rev. 00; HRB7945400 Rev. 00; HRB7945600 Rev. 00; HRB7973500 Rev. 00;
- HRB7973600 Rev. 00; HRB8089300 Rev. 00; HRB8089500 Rev. 00; HRB8089600 Rev. 00; HRB8089700 Rev. 00;
- HRB1098309 Rev. 00; HRB1372426 Rev. 03; HRB1372928 Rev. 05; HRB1547109 Rev. 00; HRB3722502-02;
- HRB4568726 Rev. 00; HRB4800330 Rev. 04; HRB4801128 Rev. 03; HRB4801628 Rev. 03; HRB7036326 Rev. 03;
- OTD007-660G Rev. C2; S1B8787628 Rev. 06; S1B880132 Rev. 05;
- Software design procedure DEV-4403 rev B dated 2020.12.08
- Software evaluation procedure DEV-4702 rev C dated 2020.12;08
- Software version log for display modules
- Software version log for box modules
- Software version log for HMIDID

3. TEST REPORTS:

Cosmos Corporation Matsusaka Laboratory:

- CJ13-117344S4 dated 7-23,2013; CJ13-118732S dated 9-17,2013

Furuno Labotech International Co. Ltd.:

- FLI12-15-007 dated 25 March 2015; FLI12-15-008 dated 25 March 2015; FLI12-15-009 dated 25 March 2015;
- FLI12-15-010 dated 25 March 2015; FLI12-15-011 dated 25 March 2015; FLI12-15-012 dated 25 March 2015;
- FLI12-15-013 dated 25 March 2015; FLI12-15-014 dated 25 March 2015; FLI12-15-015 dated 25 March 2015;
- FLI12-15-016 dated 25 March 2015; FLI12-15-017 dated 25 March 2015; FLI12-15-018 dated 25 March 2015

Labotech International :

- Test report LIC 12-18-044 dated 27 Apr 2018
- Test report LIC 12-18-046 dated 27 Apr 2018
- Test report LIC 12-18-071 dated 27 Jul 2018
- Test report LIC 12-19-041 dated 19 Mar 2019

- Test report LIC 12-19-043 dated 19 Mar 2019
- Test report LIC 12-19-069 dated 27 Jul 2018

4. APPLICATION/LIMITATION:

- 4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships.
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.
- 4.3 - Bureau Veritas Environmental Category, EC Code: 31B/41B.
- 4.4 - The equipment fulfils the EMC requirements for installation on the Bridge and Deck Zone if the 24V DC power supply lines are equipped with a filter having the following rating: L= 4x 4.5mH; C= 2x 1µF; C= 2x 4.7nF; R= 220kOhm (e.g. Schaffner, Type FN2070-10-06 or equivalent).
- 4.5 - Documents relating to each application are to be submitted to the Society's examination prior fitting on board.
- 4.6 - Hardware and Firmware / Software are to be successfully tested together in compliance with the regulations as referred to in page one according to the declaration of the manufacturer.
- 4.7 - In accordance with IACS UR E22 and as applicable to programmable devices for computer based systems of Category II or III, for each ship application :
 - Ship specific documentation is to be submitted including software documentation and categorization of the computer based system.
 - Inspection and testing before installation onboard is to be performed under the surveillance of the Society.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above mentioned products are to be supplied by **Schneider Electric Japan Holdings Ltd.** in compliance with the type described in this certificate.
- 5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
- 5.3 - **Schneider Electric Japan Holdings Ltd.** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
- 5.4 - For information, **Schneider Electric Japan Holdings Ltd.** has declared to Bureau Veritas the following production sites :

Wuxi Pro-Face Co. Ltd.
No. 20 Hanjiang Road
National Hi-Tech Industrial Deve. Zone
Wuxi
214028 Wuxi
CHINA

PT SCHNEIDER ELECTRIC MANUFACTURING BATAM
BATAMINDO INDUSTRIAL PARK
BLK 1-4 & 208 - MUKA KUNING
BATAM RIAU
INDONESIA

- 5.5 - Equipment is to be supplied with manual(s) for installation, use and maintenance.

6. MARKING OF PRODUCT:

- Maker's name or trademark.
- Equipment type or model identification.
- Date of manufacture and/or serial number.
- The title and version of each software element included in the installed software system shall be either marked or displayed on command on the equipment.
- When the marking and the title and version of the software are displayed only on the display, such information shall also be included in the equipment manual.

7. OTHERS:

- 7.1 - It is **Schneider Electric Japan Holdings Ltd.** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This Certificate supersedes the Type Approval Certificate No. 40015/A0 BV issued on 19 Oct 2015 by the Society.

*** END OF CERTIFICATE ***