



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA15486M

This is to certify that the undernoted products 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

Applicant:	Digital Electronics Corporation
Manufacturer:	Wuxi Pro-face Electronics Co., Ltd
Place of Manufacturing:	No.20 Hanjiang Road, Wuxi New District, Wuxi, Jiangsu, China 214028
Product description:	Graphic Operator Interface
Model:	SP-5000 Series, FP-5000 Series
Approval No.:	15A021
Valid until:	30 August 2020

This certificate is subject to the conditions specified in the attached sheets.

Issued at Tokyo on 31 August 2015.


Y. Shibata
General Manager
Machinery Department



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

NIPPON KAIJI KYOKAI

Attached sheet -1/2 to the Certificate No. TA15486M

Specification & documents:

1. Particulars: Power supply: 12 - 24V DC

2. Components and reference drawings:

Series	Components	Drawings
SP5000 Series (Display Module)	PFXSP5500TPD	HRB7973500
	PFXSP5600TPD	HRB7973600
	PFXSP5660TPD	
	PFXSP5700TPD	HRB7945600
	PFXSP5400WAD	HRB8089500
	PFXSP5500WAD	HRB8089600
	PFXSP5600WAD	HRB8089700
SP5000 Series (Box Module)	PFXSP5B10	HRB8089300
	PFXSP5B40	HRB7945400
FP5000 Series	PFXFP5600TPD	EAV9936000
	PFXFP5700TPD	EAV9938300

3. Documentation and Test Reports:

EAV6495506

Schematic Circuit Diagram

14RT-4RE00104 (Ver.1.2), 14RT-4RE00116 (Ver.1.3)

SP5000 Series (Box Module) Installation Guide

SP5000 Series (Display Module) Installation Guide

FP5000 Series Installation Guide

Document for Material Declaration

Document for Quality Control of Software

Report No.: FLI 12-15-007 (25 March 2015), Report No.: FLI 12-15-008 (25 March 2015)

Report No.: FLI 12-15-009 (25 March 2015), Report No.: FLI 12-15-011 (25 March 2015)

Report No.: FLI 12-15-012 (25 March 2015), Report No.: FLI 12-15-013 (25 March 2015)

Report No.: FLI 12-15-014 (25 March 2015), Report No.: FLI 12-15-015 (25 March 2015)

Report No.: FLI 12-15-016 (25 March 2015), Report No.: FLI 12-15-017 (25 March 2015)

Report No.: FLI 12-15-018 (25 March 2015)

- To be continued -

Test items & approval condition:

1. 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)		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		--

2. Approval condition:

This product is not allowed to be installed on open decks.