

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Peripheral Equipment**

with type designation(s)

Proface SP5000 Series, FP5000 Series, Magelis HMIGTU Series, iDisplay Series

Issued to

**Schneider Electric Japan Holdings Ltd.
Osaka, Japan**

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Location classes:**

- 1. * To comply with EMC requirements, see application/limitation**
- 2.** Front part only, IP65 & IP67, see application/limitation**

**Proface SP5000 Series, FP5000 Series
Magelis HMIGTU Series, iDisplay Series**

Temperature	D
Humidity	B
Vibration	A
EMC	B*
Enclosure	B**

Issued at **Busan** on **2017-06-28**for **DNV GL**This Certificate is valid until **2020-07-06**.DNV GL local station: **Kobe**Approval Engineer: **Baeg Soon Choi**

Michael Jost Auf der Stroth
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-025719-1**
Certificate No: **TAA00001A3**

Product description

Touchscreen Graphic Terminals with type designations:

SP5000 Series

Display module: PFXSP5500TPD#, PFXSP5600TPD#, PFXSP5660TPD#, PFXSP5700TPD#,
PFXSP5400WAD#, PFXSP5500WAD#, PFXSP5600WAD#, PFXSP5700WCD#, PFXSP5800WCD#
Box module: PFXSP5B10#, PFXSP5B40#, PFXSP5B41#

FP5000 Seires

PFXFP5600TPD#, PFXFP5700TPD#

HMIGTU Seires

Display module: HMIDT542#, HMIDT642#, HMIDT643#, HMIDT732#,
HMIDT351#, HMIDT551#, HMIDT651#, HMIDT752#, HMIDT952#
Box Module: HMIG3U#, HMIG5U#, HMIG5U2#

iDisplay Seires

HMIDID64DTD1#, HMIDID73DTD1#

is may be followed by any letter or number that indicates color, PCBA coating, memory size or software combinations.

Manufactured by

Place of Manufacture:

Wuxi Pro-face Electronics Co., Ltd.
No.20 Hanjiang Road, Wuxi, New District, Wuxi, Jiangsu, China, 214028

Responsibility

Digital Electronics Corporation works/ takes the responsibility that both design and production are in compliance with Rules, Standard and/or Regulations listed on page 1 of this Type Approval Certificate.

Approval conditions

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNVGL, documentation for the actual application is to be submitted for approval by inclusion in an instrument list, by the manufacturer of the application system in each case. Reference is made to DNVGL Rules for Ships Pt.4 Ch.9 Control and Monitoring Systems.

Application/Limitation

An appropriate noise filter and/or ferrite cores shall be used on the connected cables according to the manufacturer's specifications.
For installation on bridge, the equipment to be installed not less than 5m away from magnetic compass as required in 11.2 of IEC60945.

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Enclosure: IP65 & IP67 at front USB hatch without screw. IP66& IP67 at front USB hatch with screw.

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rule and Ex-certification/Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

Type Approval documentation

Type Test Report for Type Approval Certificate 14 591-15 HH and 14 519-15 HH:

Furno Labotech FLI: 12-15-007, 12-15-008, 12-15-009,12-15-010,12-15-011,12-15-012,12-15-013,12-15-014,12-15-015,-12-15-016,12-15-017,12-15-018

Cosmos Corporation: CJ13-117344S4, CJ13-118732S

Revision 2017:

1. Environmental test: Report no. 17RT-4VE00161 dated 2017-04-03
2. Environmental test: Report no. 17RT-4VE00167(LIC12-17-060) dated 2017-06-29
3. Environmental test: Report no. 17RT-4VE00168(LIC12-17-061) dated 2017-06-29
4. IP Grade test: Report no. 17RT-4VE00163 dated 2017-04-03

Tests carried out

Applicable tests according to Class Guideline DNVGL-CG-0339 November 2016.

Marking of product

Products will be marked as
Schneider Electric, Pro-face or Pro-face by Schneider Electric

Periodical assessment

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the survey are:

- Ensure that type approved documentation is available.
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines.
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications.
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given.
- Ensuring traceability between manufacturer's product type marking and the type approval Certificate

Retention survey is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE