

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Peripheral Equipment**

with type designation(s)

Graphic Operator Interface GP4000 Series

Issued to

**Digital Electronics Corporation
Osaka, Japan**

is found to comply with

Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards**Application :****Location classes:**

Temperature	D
Humidity	B
Vibration	A
EMC	B
Enclosure	B (Panel front only)*

***IP65 Tested**This Certificate is valid until **2016-12-30**.Issued at **Busan** on **2015-12-15**DNV GL local station: **Kobe**for **DNV GL**Approval Engineer: **Hee Jin Song**

Baeg Soon Choi
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.

Product description

Model reference for Pro-face brand	Display	Description
PFXGP4601TAD	12.1" SVGA TFT color LCD	Analog touch panel, DC type, with/without coating on PCBA
PFXGP4601TMD	12.1" SVGA TFT color LCD	Matrix touch panel, DC type, with/without coating on PCBA
PFXGP4603TAD	12.1" SVGA TFT color LCD	Analog touch panel, DC type, isolated RS-485, with/without coating on PCBA
PFXGP4501TADW	10.4" VGA TFT color LCD	Analog touch panel, DC type, small memory, with/without coating on PCBA
PFXGP4501TAD	10.4" VGA TFT color LCD	Analog touch panel, DC type, with/without coating on PCBA
PFXGP4501TMD	10.4" VGA TFT color LCD	Matrix touch panel, DC type, with/without coating on PCBA
PFXGP4503TAD	10.4" VGA TFT color LCD	Analog touch panel, DC type, isolated RS-485, with/without coating on PCBA
PFXGP4401TAD	7.5" VGA TFT color LCD	Analog touch panel, DC type, with/without coating on PCBA
PFXGP4401WADW	7.0" WVGA Wide TFT color LCD	Analog touch panel, DC type, small memory, with/without coating on PCBA
PFXGP4301TAD	5.7" QVGA TFT color LCD	Analog touch panel, DC type, with/without coating on PCBA
PFXGP4303TAD	5.7" QVGA TFT color LCD	Analog touch panel, DC type, isolated RS-485, with/without coating on PCBA
PFXGP4301TADW	5.7" QVGA TFT color LCD	Analog touch panel, DC type, small memory, with/without coating on PCBA
PFXGP4201TAD	3.5" QVGA TFT color LCD	Analog touch panel, DC type, with/without coating on PCBA
PFXGP4203TAD	3.5" QVGA TFT color LCD	Analog touch panel, DC type, isolated RS-485, with/without coating on PCBA
PFXGP4201TADW	3.5" QVGA TFT color LCD	Analog touch panel, DC type, small memory, with/without coating on PCBA

** All models may be followed by any letter or number that indicates PCBA coating 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

PT Schneider Electric Manufactureing Batam

Batamindo Industrial Park, Block 4 & 208, Muka Kuning, Batam Island, 29433, Indonesia

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 DNV, 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 DNV 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.

Type Approval documentation Tests carried out

Applicable tests according to Standard for Certification No.2.4, April 2006.

Marking of product

Products will be marked as

Pro-face
Digital Electronics Corporation

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