

Notes for obtaining approval of marine standards

Thank you for purchasing Smart Portal, Pro-face® SP5000 Series and flat panel displays, Pro-face® FP 5000 Series made by Digital Electronics Corporation.

The following describes restrictions for obtaining type approval of marine standards. When using these products for your system for which you plan to obtain type approval of marine standards from classification societies, please fully understand the proper handling and the features of the products following the restrictions.

For a certification and a certification number of each classification society, see our homepage. Our homepage: <http://www.pro-face.com/worldwide.html>

1. Obtained type approvals

For SP5000 series and FP5000 series, the obtained type approvals of marine standards are as planned. For information, such as certificates, see the our homepage.

American Bureau of Shipping	(ABS)
Bureau Veritas	(BV)
China Classification Society	(CCS)
Det Norske Veritas	(DNV)
Germanischer Lloyd	(GL)
Lloyd's Register	(LR)
Nippon Kaiji Kyokai	(NK)
Registro Italiano Navale	(RINA)

2. Applicable Products

• SP5000 Series

Premium Display	PFXSP5700TPD, PFXSP5660TPD, PFXSP5600TPD, PFXSP5500TPD
Advanced Display	PFXSP5600WAD, PFXSP5500WAD, PFXSP5400WAD
Open Box	PFXSP5B40
Power Box	PFXSP5B10

• FP5000 Series

PFXFP5700TPD, PFXFP5600TPD



3. Restrictions

The following describes restrictions for obtaining type approval concerning SP5000 series and FP5000 series.

- For installation, wiring and use of the products, be sure to read SP5000 series or FP5000 series instructions and SP5000 series or FP5000 series hardware manual.
- Install the products on the metal enclosure or control panel.
- Install the noise filter (Schaffner Type FN2070-10-06 or equivalent) on the power-supply line of the products.
- Attach a ferrite core to the power-supply line and the communication line of the products.

Conditions for installing a ferrite core

Series	Interface	Qty	Number of turns	Ferrite Core
SP5000	Power-Supply Lines	1	3	Seiwa Type E04SR401938 or equivalent
	COM1	1	2	Seiwa Type E04SR301334 or equivalent
	COM2	1	2	
	LAN1	1	2	
	LAN2	1	2	
	DVI-D	1	2	
	USB1(Box side Type A)	1	2	Seiwa Type E04SR200932 or equivalent
	USB2(Box side Type A)	1	2	
	USB4(Box side Type A)	1	2	
	USB(Display side Type A)	1	2	
	L-IN/MIC	1	2	
	AUX(Alarm out)	1	2	
	AUX(Line/Speaker)	1	2	
FP5000	Power-Supply Line	1	3	Seiwa Type E04SR401938 or equivalent
	DVI-D	1	2	Seiwa Type E04SR301334 or equivalent
	USB(Type B)	1	2	Seiwa Type E04SR200932 or equivalent
	USB(Type A)	1	2	

- For the number of turns, it counts up every time a cable is put through a ferrite core.
- Attach the ferrite core as close to the product as possible.
- When attaching the ferrite core to the power-supply line, attach it closer to the product than the noise filter.

End