Certificate No:
TAA000034M

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Peripheral Equipment

with type designation(s)
HMI/Industrial Controller PFXP6 / HMIP6 series, Flat Panel Display PFXFP6 / HMIFP6 series

Issued to
Schneider Electric Japan Holdings Ltd.
Osaka, Japan

is found to comply with
DNV 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.

Location classes:

Type	Temperature	Humidity	Vibration	EMC	Enclosure
HMI/Industrial Controller PFXP6 / HMIP6 series	D	B	B	B	Required protection according to the Rules shall be provided upon installation on board
Flat Panel Display PFXFP6 / HMIFP6 series	D	B	B	B	Required protection according to the Rules shall be provided upon installation on board

Issued at **Busan** on **2022-02-24**
This Certificate is valid until **2027-02-23**.
DNV local station: **Kobe**

Approval Engineer: **Eun Sook Kim**

for **DNV**

Hanwee Low
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

HMI/Industrial Controller PFXP6 / HMIP6 series														
Character number		**1-5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
Prefix	Pro-face	PFXP6													
	Schneider	HMIP6													
Base unit	Core i7(Advance box)		7												
	Core i5(Advance box)		5												
	Celeron(Advance box)		C												
	Core i3(Standard box)		3												
Display type	None(Box)			B											
	Display 4:3 12" - XGA			6											
	Display 4:3 15" - XGA			7											
	Display W10" - WXGA			D											
	Display W12" - WXGA			E											
	Display W15" - FWXGA			F											
	Display W19" - FHD			G											
	Display W22" - FHD			A											
Power supply	24Vdc (130W) – Advance model				D										
	24Vdc (70W) – Standard model				1										
Slots	0 slot					0									
	PCIx1 + PCIe x 1					M									
	PCIe x 2					E									
	PCI x 2					P									
Fan	None supply						N								
	With Fan						F								
Storage 1	None							0							
	M.2 SSD 128GB (Standard Endurance)							1							
	M.2 SSD 128GB (High Endurance)							2							
	M.2 SSD 256GB (High Endurance)							3							
	M.2 SSD 512GB (High Endurance)							4							
	SSD 128GB (High Endurance)							5							
	SSD 256GB (High Endurance)							6							
	SSD 512GB (High Endurance)							7							
Storage 2	None								0						
	SSD 128GB (High Endurance)								5						
	SSD 256GB (High Endurance)								6						
	SSD 512GB (High Endurance)								7						
DIMM	4GB (1 x 4GB)									4					
	8GB (2 x 4GB)									8					
	16GB (2 x 8GB)									A					
	32GB (2 x 16GB)									B					
Option	None										N				
	Interface										*				
OS	None											N			
	Windows *											*			
Software	None												N		
	Bundle												*		
Spare														*	
Spare															*
* Any letter or number															

Flat Panel Display PFXFP6 / HMIFP6 series		
Model number		**Description**
PFXFP6600TMD	HMIFP6600TMD	12” XGA display with analog multi touch panel
PFXFP6700TMD	HMIFP6700TMD	15” XGA display with analog multi touch panel
PFXFP6500WCD	HMIFP6500WCD	10” wide WXGA display with PCAP touch panel
PFXFP6600WCD	HMIFP6600WCD	12” wide WXGA display with PCAP touch panel
PFXFP6700WCD	HMIFP6700WCD	15” wide FWXGA display with PCAP touch panel
PFXFP6800WCD	HMIFP6800WCD	19” wide FHD display with PCAP touch panel
PFXFP6900WCD	HMIFP6900WCD	22” wide FHD display with PCAP touch panel

All model numbers may be followed by any letters or numbers.

Place of Manufacture

Schneider Electric Japan Holdings Ltd.
1-2-2 Itahara-Cho Izumiotsu-Shi Osaka 595-0033 Japan

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

Schneider Electric France, DBA Automation
8 eme rue – ZI Carros 06516 Carros France

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 the manufacturer of the application system in each case. Reference is made to DNV rules for classification of ships Pt.4 Ch.9 Control and monitoring systems.

Product certificate
If specified in the Rules, ref. Pt.4 Ch.9 Sec.1, the control and monitoring system in which the above listed hardware is used shall be delivered with a product certificate. For each such delivery the certification test is to be performed at the manufacturer of the application system before the system is shipped to the yard. The test shall be done according to an approved test program. After certification the clause for software control will be put into force.

Software control
All changes in software are to be recorded as long as the system is in use on board. Documentation of major changes is to be forwarded to DNV for evaluation and approval before implemented on board. Certification of modified functionality may be required for the particular vessel.

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.

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

Tests carried out

Applicable tests according to Class Guideline DNV-CG-0339, August 2021

Marking of product

The products to be marked with:
- manufacturer name
- model name
- serial number

Periodical assessment

The scope of the periodical assessment 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 assessment 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

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE