



TYPE APPROVAL CERTIFICATE

Certificate No:
TAA0000CD
Revision No:
4

This is to certify:

That the Peripheral Equipment

with type designation(s)
Touch Screen graphic terminals

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: See page 2 & 3.

Issued at **Høvik** on **2022-11-17**

for **DNV**

This Certificate is valid until **2025-06-30**.

DNV local unit: **Japan CMC**

Approval Engineer: **Martin Skårerverket**

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Frederik Tore Elter
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

Pro-Face/Schneider Graphic Operator Interfaces as listed below:

Pro-face Reference	Schneider Reference	Temperature Class	Humidity Class	Vibration Class	EMC Class	Enclosure Class	Notes
GP4105G1D#		B	B	A	B*	B	IP65 (front panel only)
GP4105W1D#							
GP4106G1D#							
GP4106W1D#							
GP4107G1D#							
GP4107W1D#							
PFXGM4201TAD#	HMISTU655#	B	B	A	B*	B	IP65 (front panel only)
PFXGM4301TAD#	HMISTU855#						
PFXXM4200TP#	HMIS65#						
PFXXM4300TP#	HMIS85#						
PFXGM4B01D#	HMIS5T#						
PFXLM4301TADAC#	HMISCU8B5#	B	B	A	B*	B	IP65 (front panel only)
PFXLM4301TADAK#							
PFXLM4301TADDC#	HMISCU8A5#						
PFXLM4301TADDK#							
PFXLM4201TADAC#	HMISCU6B5#						
PFXLM4201TADAK#							
PFXLM4201TADDC#	HMISCU6A5#						
PFXLM4201TADDK#							
PFXLM4B01DAC#	HMISAC#						
PFXLM4B01DAK#	HMISBC#						
PFXLM4B01DDC#	HMIZSURDP#						
PFXLM4B01DDK#	HMIZSURDP5#						
PFXZXMADSM31#							
PFXZXMADSM51#	HMIZSDIO#						
PFXSTM6200WAD#	HMISTM6200#						
PFXSTM6400WAD#	HMISTM6400#						
PFXSTM6B#	HMISTM6B#						
PFXSTM62TP#	HMISTM62#						
PFXSTM64TP#	HMISTM64#						
PFXZCM6SM3#	HMIZM6RDP3#						
PFXZCM6SM5#	HMIZM6RDP5#						
PFXZCM6SM10#	HMIZM6RDP10#						
PFXZCM6DSA#	HMIZM6DSA#						
PFXSTM6B00D#	HMISTM6BOX#						
ST401-AG41-24V#		A	A	A	B*	B	IP65 (front panel only)
ST403-AG41-24V#		A	A	A	A*	B	IP65 (front panel only)
AGP3300-T1-D24#							
AGP3400-T1-D24#							
AGP3450-T1-D24#							
AGP3500-T1-D24#							
AGP3550-T1-D24#							
AGP3600-T1-D24#							
AGP3650-T1-D24#							
AGP3750-T1-D24#							

* To comply with EMC requirements, see application/limitation

Target Product list:

Commercial Reference		Description
Pro-face Brand	Schneider Brand	
PFXSTM6200WAD#	HMISTM6200#	Rear & 4" Display Module
PFXSTM6400WAD#	HMISTM6400#	Rear & 7" Display Module
PFXSTM6B#	HMISTM6B#	Rear Module
PFXSTM62TP#	HMISTM62#	4" Display Module
PFXSTM64TP#	HMISTM64#	7" Display Module
PFXZCM6SM3#	HMIZM6RDP3#	Cable 3m
PFXZCM6SM5#	HMIZM6RDP5#	Cable 5m
PFXZCM6SM10#	HMIZM6RDP10#	Cable 10m
PFXZCM6DSA#	HMIZM6DSA#	DIN rail adapter
PFXSTM6B00D#	HMISTM6BOX#	Rear Module & DIN rail adapter
PFXGM4201TAD#	HMISTU655#	Touch Panel Screen
PFXGM4301TAD#	HMISTU855#	Touch Panel Screen
PFXXM4200TP#	HMIS65#	Small Touchscreen Display
PFXXM4300TP#	HMIS85#	Small Touchscreen Display
PFXGM4B01D#	HMIS5T#	Rear Panel
PFXLM4301TADAC#	HMISCU8B5#	Touch Controller Panel
PFXLM4301TADDC#	HMISCU8A5#	Touch Controller Panel
PFXLM4201TADAC#	HMISCU6B5#	Touch Controller Panel
PFXLM4201TADDC#	HMISCU6A5#	Touch Controller Panel
PFXLM4B01DAC#	HMISAC#	Rear Module
PFXLM4B01DAK#	HMISBC#	Rear Module
PFXLM4B01DDC#	HMIZSURDP#	Cable 3m
PFXLM4B01DDK#	HMIZSURDP5#	Cable 5m
PFXZXMADSM51#	HMIZSDIO#	Terminal Block

mark in the table may be followed by "C" when conformal coated or any additional letter(s) or numbers(s) or symbol(s) for cosmetic purposes, memory size or software combinations.

Place of manufacture

Wuxi Pro-face Co., Ltd.
 No.20 Hanjiang Road
 National Hi-tech Industrial Development Zone
 Wuxi, Jiangsu 214028
 P.R. CHINA

PT Schneider Electric Manufacturing Batam
 Batamindo Industrial Park, Block 4&208,
 Muka Kuning,
 Batam Island, 29433,
 Indonesia

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.

Application/Limitation

Products have been tested up to 20% nominal voltage variation as for equipment not connected to the battery during charging.

To cover EMC class A and B requirements for devices marked with * above, installation requirements according to Certification Note, doc. No.: 10DD-4GD00017, must be followed.

To cover EMC class B requirements for STU, STO, SCU**5, SAC and SBC touchscreens, the filtering as according to manufacturer's Instruction Sheet doc. No.: 35015283_11 shall be provided.

For installation on bridge, the equipment to be installed not less than 5m away from magnetic compass as required in 11.2 of IEC 60945.

Type Approval documentation

Pro-face Reference	Manuals incl. drawings	Test report No.
GP4105G1D	GP-4100 Series	10C00025RPT01 dated 2010-07-30
GP4105W1D	Hardware Manual	10C00026RPT02 dated 2010-07-15
GP4106G1D	File:	HBR-RL-10.123 dated 2010-07-14
GP4106W1D	GP4100-MM01-ENG-PDFo	CJ09-090361S dated 2009-11-18
GP4107G1D		
GP4107W1D		
PFXGM4201TAD	GP-4201TM/GP4301TM/	0908M01V dated 2009-11-08
PFXGM4301TAD	4000M Hardware Manual	1004M01V dated 2010-04-28
PFXXM4200TP	File:	A09-065-WT dated 2010-02-12
PFXXM4300TP	GP42_43TM-MM01-ENG-PDFh	A10-035-WT dated 2010-10-18
PFXGM4B01D		CJ11-104232S dated 2011-08-1 CJ11-104232S2 dated 2011-05-24
PFXLM4301TADAC	LT-4201TM/4301TM	201214-042 dated 2013-03-11
PFXLM4301TADAK	Hardware Manual	201214-063 dated 2014-05-29
PFXLM4301TADDC	File:	201214-073 dated 2014-05-29
PFXLM4301TADDK	lt4000m_i	201214-083 dated 2014-05-29
PFXLM4201TADAC		201214-443 dated 2014-06-04
PFXLM4201TADAK		ET2014-5-619 dated 2014-06-06
PFXLM4201TADDC		
PFXLM4201TADDK		
PFXLM4B01DAC		
PFXLM4B01DAK		
PFXLM4B01DDC		
PFXLM4B01DDK		
PFXZXMADSM31		
PFXZXMADSM51		
ST401-AG41-24V	ST Series User Manual	0510S01C dated 2005-12-31,
ST403-AG41-24V	File:	0510S01V dated 2005-09-29
AGP3300-T1-D24	ST40X-MM01-ENGf	0510S02C dated 2005-12-31
AGP3400-T1-D24		0510S02V dated 2005-09-29
AGP3450-T1-D24	GP3000 Series	0510S03C dated 2006-08-14
AGP3500-T1-D24	Hardware Manual	0510S04V dated 2005-12-31
AGP3550-T1-D24	File:	0510S05V dated 2006-02-21
AGP3600-T1-D24	GP3000-MM01-ENG-PDFab	0510S06V dated 2006-02-21
AGP3650-T1-D24		0510S07V dated 2005-12-12
AGP3750-T1-D24		0510S08V dated 2005-11-30

Pro-face Reference	Manuals incl. drawings	Test report No.
		0510S09V dated 2005-12-31 0510S10V dated 2005-12-12 0510S11V dated 2005-12-31 0510S12V dated 2006-08-02 0510S14V dated 2006-08-02 0510S15V dated 2006-08-02 0510S16V dated 2006-08-02 0510S17V dated 2006-10-31 0510S18E dated 2006-11-03 2006-0134-01A dated 2006-08-24 2006-0134-02A dated 2006-08-24 2006-0134-03A dated 2006-08-24 2006-0134-04A dated 2006-08-24 2006-0134-05 dated 2006-11-10 2006-0134-06 dated 2006-11-10 2006-0134-07 dated 2006-11-10 2006-0134-08 dated 2006-11-10 2006-0412-00 dated 2006-07-25 2006-0412-01 dated 2006-07-25 2006-0412-02 dated 2006-07-25 2006-0412-03 dated 2006-07-25 2006-0412-04 dated 2006-07-25 2006-0412-05 dated 2006-07-25 200604-3056C-R1-E dated 2006-07-10 200604-3056C-R2-E dated 2006-07-10 200604-3056C-R3-E dated 2006-07-10 200604-3056C-R4-E dated 2006-07-10 R0510281C1-E dated 2005-12-19 R0510281C2-E dated 2005-12-19
PFXSTM6200WAD	Harmony STM6 User Manual, EIO0000004129_00, dated 2020-08 STM6000 Series Hardware Manual (Pro-Face), STM6000-MM01-EN_00, dated 2020-08	IOCC-LAB-TF-002 Contained in DNV doc. no: 99, page 8. (Product Synthesis)
PFXSTM6400WAD		
PFXSTM6B		
PFXSTM62TP		
PFXSTM64TP		
PFXZCM6SM3		
PFXZCM6SM5		
PFXZCM6SM10		
PFXZCM6DSA		
PFXSTM6B00D		
Schneider Reference	Manuals incl. drawings	Test report No.
HMISTU655 HMISTU855 HMIS65 HMIS85 HMIS5T HMISCU8B5 HMISCU8A5 HMISCU6B5 HMISCU6A5 HMISAC HMISBC HMIZSURDP HMIZSURDP5 HMIZSDIO	MagelisTM STU and STO Small Panels, Drw No. DIA5ED2130607EN dated 2016-03 MagelisTM SCU Small HMI controllers, Drw No. DIA5ED2130505EN dated 2016-07	IOCC-LAB-TF-038 dated 2020-11-05

Additional documentation:

Certification note, doc. No.: 10DD-4GD00017 dated 2012-08-20
Manufacturer's Instruction Sheet, doc. No.: 35015283_11 rev. 11

Additional EMC documentation:

Test Report (6GHz EMC extract) – HMISTM, doc. No 202002-041 dated 2020-05-18
Test Report - IACS E10:2018 doc. No C20-160-WT dated 2020-05-19
Test Report (6GHz EMC extract) - HMI SCU/STU, doc. No 202208-041 dated 2022-07-15
Test Report - IACS E10:2021 - HMISCU6A5, doc. No J22-302-WT dated 2022-07-22
Test Report - Radiated Emission (6Ghz) - HMISTU655, doc. No 21BAS01P32D31-00294 dated 2021-11-15

Type approval renewal assessment report for TAA00000CD, Batam, Indonesia 2021-04-19
Type approval renewal assessment report for TAA00000CD, Wuxi, China 2021-05-13

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
- power supply ratings

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