Certificate No: LR22323343TA
Issue Date: 24/04/2022
Expiry Date: 23/04/2027

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Schneider Electric Japan Holdings Ltd.**
Address	4-4-9 Kitahama, Chuo-Ku, Osaka-shi, Osaka-fu, 541-0041, Japan
Place of Production	PT Schneider Electric Manufacturing Batam Batamindo Industrial Park, Block 4 & 208, Muka Kuning, Batam Island, 29433, Indonesia
Place of Production	Wuxi Pro-face Co.,Ltd. No.20, Hanjiang Road, Wuxi New District, Wuxi, Jiangsu, 214028, China
Type	Control Units
Description	Human Machine Interface
Trade Name	See Appendix for details
Application	Marine applications for use in environmental categories ENV1, ENV2 and ENV3 in the “General Power Distribution Zones” and/or “Bridge and Deck Zone” (stated below)as defined in LR Type Approval System Test Specification No. 1-2021 where the Test Specification is satisfactory for the intended operation. ENV2:GP4100 Series (Mono LCD type), ST & AGP Series, HMISTO Series (Mono LCD type), XBTGT Series ENV2 in the “General Power Distribution zones” and/or “Bridge and Deck Zone: GP4100Series (Color LCD type), LT4000 Series, HMISTO Series (Color LCD type), HMISTU Series, HMISCU Series

Sachie Fujii

Senior Surveyor to Lloyd's Register Group Ltd
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Type Approval Certificate

ENV1, ENV2 andENV3 in the “General Power Distribution Zones” and/or “Bridge and Deck Zone”:GP4000 Series, HMIGTO Series

Ratings Power Supply : 24Vdc

Additional Tests All Series: Ingress Protection: IP 65 (FrontPanel)
IP 20 (Rear Panel)
GP4000 Series, HMIGTO Series : Dry Heat Test : 70℃,16 hours

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Group Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 12/10041(E2)

The Design Appraisal Document LR22323343TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Appendix

Trade Name

GP4000 Series, compromise;

PFXGP4201TAD	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type
PFXGP4203TAD	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type, Isolated RS-485 type
PFXGP4201TADW	:	3.5”, 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, Small Memory type
PFXGP4301TAD	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type
PFXGP4303TAD	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type, Isolated RS-485 type
PFXGP4301TADW	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type, Small Memory type
PFXGP4401TAD	:	7.5”, 640x480 pixels, Color LCD, Analog touch panel, D.C. type
PFXGP4401WADW	:	7.0”, 800x480 pixels, Color LCD, Analog touch panel, D.C. type, Small Memory type
PFXGP4501TAD	:	10.4”, 640x480 pixels, Color LCD, Analog touch panel, D.C. type
PFXGP4501TADW	:	10.4”, 640x480 pixels, Color LCD, Analog touch panel, D.C. type, Small Memory type
PFXGP4501TMD	:	10.4”, 640x480 pixels, Color LCD, Matrix touch panel, D.C. type
PFXGP4503TAD	:	10.4”, 640x480 pixels, Color LCD, Analog touch panel, D.C. type, Isolated RS-485 type
PFXGP4601TAD	:	12.1”, 800x600 pixels, Color LCD, Analog touch panel, D.C. type
PFXGP4601TMD	:	12.1”, 800x600 pixels, Color LCD, Matrix touch panel, D.C. type

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as ‘Lloyd's Register’. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

PFXGP4603TAD	:	12.1”, 800x600 pixels, Color LCD, Analog touch panel, D.C. type, Isolated RS-485 type

Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

GP4100 Series, compromise;

GP4105G1D	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Screen Color: Green, Orange, Red RS-232C type
GP4105W1D	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Screen Color: White, Pink, Red RS-232C type
GP4106G1D	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Screen Color: Green, Orange, Red RS-422/485 type
GP4106W1D	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Screen Color: White, Pink, Red RS-422/485 type
GP4107G1D	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Color: Green, Orange, Red RS-485 MPI type
GP4107W1D	:	3.4”, 200 x 80 pixels, STN Monochrome LCD, Analog touch panel, D.C. type Color: White, Pink, Red RS-485 MPI
PFXGP4114T*D	:	4.3”, 480 x 272 pixels, Color LCD, Analog touch panel, D.C. type, Ethernet type
PFXGP4115T*D	:	4.3”, 480 x 272 pixels, Color LCD, Analog touch panel, D.C. type, RS-232C type
PFXGP4116T*D	:	4.3”, 480 x 272 pixels, Color LCD, Analog touch panel, D.C. type, RS-232C/485 type

* : may be any letter or number that memory size or software combinations
Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as ‘Lloyd's Register’. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

LT4000 Series, compromise;

PFXLM4201TADD$	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO, D.C. type
PFXLM4301TADD$	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO, D.C. type
PFXLM4B01DD$	:	Box module with DIO, D.C. type
PFXLM4201TADA$	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO and AIO, D.C. type
PFXLM4301TADA$	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO and AIO, D.C. type
PFXLM4B01DA$	:	Box module with DIO and AIO, D.C. type
PFXXM4200TP	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display module
PFXXM4300TP	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display module
PFXZXMADSM31	:	Accessory of 3m separation cable at display and box
PFXZXMADSM51	:	Accessory of 5m separation cable at display and box

$: may be K: Source or C: Sink output type
Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

ST & AGP Series, compromise;

ST401-AG41-24V	:	3.8" QVGA Monochrome LCD, Analog touch panel, D.C. type, RS-232C type
ST403-AG41-24V	:	3.8" QVGA Monochrome LCD, Analog touch panel, D.C. type RS-232C/422, Ethernet 10 Base type
AGP3300-L1-D24	:	5.7" QVGA Monochrome LCD, Analog touch panel, D.C. type
AGP3300-T1-D24	:	5.7" QVGA, Color LCD, Analog touch panel, D.C. type
AGP3301-L1-D24	:	5.7" QVGA Monochrome LCD, Analog touch panel, D.C. type
AGP3400-T1-D24	:	7.5" VGA Color LCD, Analog touch panel, D.C. type

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as ‘Lloyd's Register’. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

AGP3450-T1-D24	:	7.5" VGA Color LCD, Analog touch panel, D.C. type, Camera and microphone inputs type
AGP3500-T1-D24	:	10.4" VGA Color LCD, Analog touch panel, D.C. type
AGP3550-T1-D24	:	10.4" VGA Graphic Panel, Analog touch panel, D.C. type, Camera and microphone inputs type
AGP3600-T1-D24	:	12.1" SVGA Color LCD, Analog touch panel, D.C. type
AGP3650- T1-D24	:	12.1" SVGA Color LCD, Analog touch panel, D.C. type, Camera and microphone inputs type
AGP3750- T1-D24	:	15" XGA Color LCD, Analog touch panel, D.C. type, Camera and microphone inputs type

Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

HMIGTO Series, compromise;

HMIGTO1300	:	3.5”, 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, Small Memory, With or without coating on PCBA
HMIGTO1310	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type
HMIGTO2300	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type, Small Memory type
HMIGTO2310	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel, D.C. type
HMIGTO3510	:	7.0”, 800x480 pixels, Color LCD, Analog touch panel, D.C. type, Small Memory type
HMIGTO4310	:	7.5”, 640x480 pixels, Color LCD, Analog touch panel, D.C. type
HMIGTO5310	:	10.4”, 640x480 pixels, Color LCD, Analog touch panel, D.C. type
HMIGTO6310	:	12.1”, 800x600 pixels, Color LCD, Analog touch panel, D.C. type

Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as ‘Lloyd's Register’. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

HMISTO Series, compromise;

HMISTO501	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Screen Color: Green, Orange, Red RS-232C type
HMISTO511	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Screen Color: Green, Orange, Red RS-422/485 type
HMISTO512	:	3.4”, 200 x 80 pixels, Monochrome LCD, Analog touch panel, D.C. type Color: Green, Orange, Red RS-232C/485 type
HMISTO705	:	4.3”, 480 x 272 pixels, Color LCD, Analog touch panel, D.C. type, RS-232C type
HMISTO715	:	4.3”, 480 x 272 pixels, Color LCD, Analog touch panel, D.C. type, RS-232C/485 type
HMISTO735	:	4.3”, 480 x 272 pixels, Color LCD, Analog touch panel, D.C. type, Ethernet type

Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

HMISTU Series, compromise;

HMISTU655	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display, D.C. type
HMISCU855	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display, D.C. type
HMI5T	:	Box module, type
HMIS65	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display module
HMIS85	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display module
HMIZSURDP	:	Accessory of 3m separation cable at display and box
HMIZSURDP5	:	Accessory of 5m separation cable at display and box

Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as ‘Lloyd's Register’. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

HMISCU Series, compromise;

HMISCU6A5	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO, D.C. type
HMISCU8A5	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO, D.C. type
HMISAC	:	Box module with DIO, D.C. type
HMISCU6B5	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO and AIO, D.C. type
HMISCU8B5	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO and AIO, D.C. type
HMISBC	:	Box module with DIO and AIO, D.C. type
HMIS65	:	3.5”, 320x240 pixels, Color LCD, Analog touch panel display module
HMIS85	:	5.7”, 320x240 pixels, Color LCD, Analog touch panel display module
HMIZSURDP	:	Accessory of 3m separation cable at display and box
HMIZSURDP5	:	Accessory of 5m separation cable at display and box

Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

XBTGT Series, compromise;

XBTGT1100	:	3.8" QVGA Monochrome LCD, Analog touch panel, D.C. type, RS-232C type
XBTGT1130	:	3.8" QVGA Monochrome LCD, Analog touch panel, D.C. type, RS-232C/422, Ethernet 10 Base type
XBTGT2330	:	5.7" QVGA, Color LCD, Analog touch panel, D.C. type
XBTGT4330	:	7.5" VGA Color LCD, Analog touch panel, D.C. type
XBTGT4340	:	7.5" VGA Color LCD, Analog touch panel, D.C. type, Camera and microphone inputs type
XBTGT5330	:	10.4" VGA Color LCD, Analog touch panel, D.C. type

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as ‘Lloyd's Register’. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

XBTGT5340	:	10.4" VGA Color LCD, Analog touch panel, D.C. type Camera and microphone inputs type
XBTGT6330	:	12.1" SVGA Color LCD, Analog touch panel, D.C. type
XBTGT6340	:	12.1" SVGA Color LCD, Analog touch panel, D.C. type, Camera and microphone inputs type
XBTGT7340	:	15" XGA Color LCD, Analog touch panel, D.C. type, Camera and microphone inputs type

Type name may be followed by additional letter or number(s) that indicates color, PCBA coating or software combinations.

-End of Appendix-

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.