



Lloyd's
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Type Approval Certificate Extension

This is to certify that Certificate No. 07/30009(E1), 12/10022, 12/10041(E1) and 13/00003 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Schneider Electric Japan Holdings Ltd. 4-4-9 Kitahama, Chuo-Ku, Osaka-Shi, Osaka 541-0041, Japan
PLACE OF PRODUCTION	Wuxi Pro-face Electronics Co., Ltd. No.20, Hanjiang Road, Wuxi New District, Wuxi, Jiangsu, 214028, P/R/China PT Schneider Electric Manufacturing Batam Batamindo Industrial Park, Block 4 & 208, Muka Kuning, Batam Island 29433, Indonesia
DESCRIPTION	Human Machine Interface
TYPE	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
Certificate No.	12/10041(E2)
Issue Date	24 April 2017
Expiry Date	23 April 2022
Sheet	1 of 9



T. Shigeno
Yokohama Technical Support Office
Lloyd's Register Group Limited

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TYPE (Continued)	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
	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.

TYPE	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

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

TYPE	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

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TYPE (Continued)	PFXMLM4201TADA\$: 3.5", 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO and AIO, D.C. type
	PFXMLM4301TADA\$: 5.7", 320x240 pixels, Color LCD, Analog touch panel display module and box module with DIO and AIO, D.C. type
	PFXMLM4B01DA\$: 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
	PFZXMADSM31	: Accessory of 3m separation cable at display and box
	PFZXMADSM51	: 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.

TYPE	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
	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,

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TYPE (Continued)	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.

TYPE	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.

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TYPE

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.

TYPE

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

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TYPE (Continued) 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.

TYPE **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.

TYPE **XBTGT Series, compromise;**
XBTGT1100 : 3.8" QVGA Monochrome LCD, Analog touch panel, D.C. type, RS-232C type

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TYPE (Continued)	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
	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.

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. 1-2002 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: GP4100 Series (Color LCD type), LT4000 Series, HMISTO Series (Color LCD type), HMISTU Series, HMISCU Series

ENV1, ENV2 and ENV3 in the "General Power Distribution Zones" and/or "Bridge and Deck Zone": GP4000 Series, HMIGTO Series

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ADDITIONAL TEST	All Series: Ingress Protection: IP 65 (Front Panel) IP 20 (Rear Panel) GP4000 Series, HMIGTO Series : Low Temperature Test -25°C, 2 hours Dry Heat Test : 70°C, 16 hours
DESIGN CODE STANDARD	IACS E10 and IEC 61131-2 as far as tested according Test specification No. 1, 2002 ENV2
RATINGS	Power Supply : 24Vdc

"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 Limited of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 12/10041(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 07/30009(E1), 12/10022, 12/10041(E1) and 13/00003 to which this extension should be attached.

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