IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx UL 18.0126X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2018-10-29)
Date of Issue:	2021-06-28		
Applicant:	**Schneider Electric Japan Holdings Ltd.** 4-4-9 Kitahama Chuo-Ku, Osaka-shi Osaka 541-0041 **Japan**		
Equipment:	**PS5000 Display Adapter (Human-Machine Interfaces), PFXZPPDADDP2 and PFXPA2 Series**		
Optional accessory:			
Type of Protection:	**Non-sparking "nA", Intrinsic Safety "ic", Dust Protection by Enclosure "tc"**		
Marking:	Ex nA IIC T4 Gc Ex ic nA IIC T4 Gc Ex tc IIIC T135°C Dc 0°C ≤ Ta ≤ +55°C		

Approved for issue on behalf of the IECEx Certification Body: **Lucy Frieders**

Position: **Staff Engineer**

Signature: (for printed version)

Date: 2021-06-28

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

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Certificate No.: **IECEx UL 18.0126X**

Date of issue: 2021-06-28 Issue No: 1

Manufacturer: **Schneider Electric Japan Holdings Ltd.**
4-4-9 Kitahama
Chuo-Ku, Osaka-shi
Osaka 541-0041
Japan

Additional manufacturing locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

US/UL/ExTR18.0149/00 US/UL/ExTR18.0149/01

Quality Assessment Report:

FR/INE/QAR16.0001/08

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The devices Model PFXZPPDADDP2 series are adapter modules and Models PFXPA2 series are display panels and adaptor modules. That are intended to mount on or install to industrial control panel and remotely connect to the box type IPC by USB port for touch screen signal and Display port for video. The extended Receiver and Transmitter modules can also connect to up to 4 Display Adapters by RJ45 type Ethernet.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:
For Display Adapter Models PFXPA27NND and PFXPA2JNND series:

- All front surfaces have been evaluated to the enclosure requirements for Ingress Protection to IP65 in accordance with IEC 60079-15 and IEC 60079-31.
- The equipment shall only be used in an area of not more than pollution degree 2 as defined in IEC 60664-1.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage at the supply terminals to the equipment.
- The equipment shall be mounted in an enclosure that provides a degree of protection not less than IP54 in accordance with IEC 60079-15 for category 3G Zone 2 or IP65 in accordance with IEC 60079-31 for category 3D Zone 22.
- Do not expose to direct sunlight or UV light source.
- Subject equipment must be installed in a low risk of mechanical danger environment.

For Display Adapter Models PFXPA27NNA and PFXPA2JNNA series:

- All front surfaces have been evaluated to the enclosure requirements for Ingress Protection to IP65 in accordance with IEC 60079-31.
- The equipment shall be mounted in an enclosure that provides a degree of protection not less than IP65 in accordance with IEC 60079-31 for category 3D Zone 22.
- Do not expose to direct sunlight or UV light source.
- Subject equipment must be installed in a low risk of mechanical danger environment.

For Display Adapter Models PFXZPPDADDP2:

- The equipment shall only be used in an area of not more than pollution degree 2 as defined in IEC 60664-1.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage at the supply terminals to the equipment.
- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP54 in accordance with IEC 60079-15 for category 3G Zone 2.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1: Adds alternate LCD modules, daughter board of display panel Model PFXPA27NN and PFXPA2JNN; Add alternate touch screen of display panel Model PFXPA2JNN.

Annex:

Annex to IECEx UL 18.0126X Issue 1.pdf

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Certificate No.: IECEx UL 18.0126X

Issue No.: 1

TYPE DESIGNATION

PFXZPPDADDP2 series are adapter modules and Models PFXPA2 series are display panels and adaptor modules. That are embedded application for industrial application.

Nomenclature I:

PFXP	A	2	7	N	N	A	N	0	N	ZZZZZ
I	II		III	IV	V	VI	VII	VIII	X	XI

I. Prefix:

PFXP

II. Version

A – Display Adapter

III. Display module:

7 – 4:3 15” display panel, module PFXPPD5700TA

J – 15.6” W display panel, module PFXPPD5700WP

IV. Combination of Box Type and modular:

N – None

V. Expansion slot configuration:

N – None

VI. Power source:

D – DC power source

A – AC power source

VII. Memory:

N – None

VIII. Operating system:

0 – None

IX. Storage type:

N – None

X. Combination of Interfaces, second storage type and software bundle:

Z can be any character to represent the combination.

Nomenclature II:

PFXZPPDADDP2	xxxxxx
I	II

I. Prefix:

PFXZPPDADDP2 – Display Adapter (No display)

II. Marketing code:

x can be any alphanumeric character, blank or "-"

PARAMETERS RELATING TO THE SAFETY

Display Adapter:

Model Series:	Model Name Suffix:	Protection Technique:	Rating
PFXZPPDADDP2	N/A	nA	Input 24Vdc, 1.4A
PFXPA27NN	Followed by "D"	ic, nA	Input 24Vdc, 1.4A
		tc	
	Followed by "A" (PFXZPBPUAC2)	tc	Input 100-240Vac, 50-60Hz, 1.6-0.9A max.
PFXPA2JNN	Followed by "D"	nA	Input 24Vdc, 1.4A
		tc	
	Followed by "A" (PFXZPBPUAC2)	tc	Input 100-240Vac, 50-60Hz, 1.6-0.9A max.

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Accessory:

Accessory type:	Model:	Rating:
AC power supply	PFXZPBPUAC2	[For use only with Display Adapter Models marked with “tc” protection technique.] Input: 100-240 V ac, 50-60Hz, 1.6-0.9 A max. Output: 24 V dc, 5.5 A max.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Display Adapter (DC):

PFXPA27NND

PFXPA2JNND

Display Adapter (AC):

PFXPA27NNA and PFXPA2JNNA

Adapter:	**Warning Marking:**
PFXZPPDADDP2	

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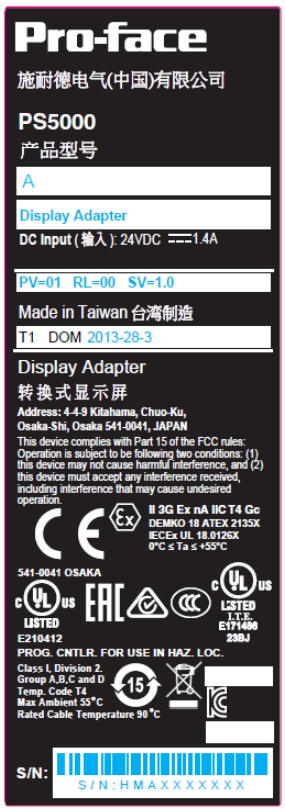

WARNING - Do not open the lid and use the USB connector in hazardous locations.

Accessory:

AC power – PFXZPBPUAC2