INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx INE 22.0024X**	Page 1 of 5
Status:	**Current**	Issue No: 1
Date of Issue:	2024-12-20	

Certificate history:
Issue 0 (2023-01-04)

Applicant: **Schneider Electric Japan Holdings Ltd**
4-4-9 Kitahama, Chuo-Ku, OSAKA-SHI
OSAKA 541-0041
Japan

Equipment: **HMI Industrial Controller / Industrial Display type PFXP6 and PFXFP6 series**

Optional accessory:

Type of Protection: **ec nC tc**

Marking: Ex ec IIC T4 Gc
Ex ec nC IIC T4 Gc
Ex tc IIIC T135°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)

Thierry HOUEIX

Ex Certification Officer

2024-12-20

Signé électroniquement
Digitally signed by
Thierry HOUEIX
Ex Certification Officer
Délégué Certification

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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:

INERIS
Institut National de l'Environnement Industriel et des Risques
BP n2 / Parc Technologique ALATA
F-60550 Verneuil-en-Halatte
France

INERIS
controlling risks
for sustainable development

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Manufacturer:

SCHNEIDER ELECTRIC JAPAN HOLDINGS
4-4-9 Kitahama, Chuo-Ku, OSAKA-SHI
OSAKA 541-0041
Japan

Manufacturing locations:

WUXI Pro-face Co., Ltd No.516 Xida Road Wuxi, Jiangsu 214111 **China**	**SCHNEIDER ELECTRIC** Site Horizon 8 ème rue, ZI Carros 06516 Carros **France**	**Schneider Electric Japan Holdings Ltd.** 1-2-2 Itahara-Cho Izumiotsu-Shi Osaka 595-0033 **Japan**

See following pages for more 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 60079-0:2017
Edition:7.0

Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-15:2017
Edition:5.0

Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

IEC 60079-31:2013
Edition:2

Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

IEC 60079-7:2017
Edition:5.1

Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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 Report:

FR/INE/ExTR22.0019/01

Quality Assessment Reports:

FR/INE/QAR10.0006/18   FR/INE/QAR16.0001/17

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

The equipment PFXP6 Advanced or Standard series / PFXP6 Basic series / PFXFP6 series are consisted of the following items:

- HMI Industrial Controller (PFXP6 Advanced or Standard series):
  - Box Units and its Accessories, those Ex-components have been evaluated in the following certificate:
    - IECEx UL 20.0096U
  - Power Supply
  - Display Unit (PFXDM6 series), those Ex-components have been evaluated in the following certificate:
    - IECEx INE 22.0042U
- HMI Industrial Controller (PFXP6 Basic series):
  - Box Units and its Accessories, those Ex-components have been evaluated in the following certificate:
    - IECEx UL 23.0087U
  - Display Unit (PFXDM6 series), those Ex-components have been evaluated in the following certificate:
    - IECEx INE 22.0042U
- Industrial Flat Panel Display (PFXFP6 series):
  - Display Adapter (SPLFP6000B)
  - Display Unit (PFXDM6 series), those Ex-components have been evaluated in the following certificate:
    - IECEx INE 22.0042U

The equipment is non-sparking during conditions of normal operation and is protected by protection modes Ex ec and Ex tc, except the equipment with resistive touch panel display units which is protected by Ex ec nC and Ex tc.

For a use in zone 2 for Gas application, the equipment shall be placed in an enclosure EPL Gc and the display unit onto an enclosure EPL Gc insuring a minimal ingress protection IP54.

For a use in zone 22 for Dust application, the equipment shall be placed in an enclosure EPL Dc and the display unit onto an enclosure EPL Dc insuring a minimal ingress protection IP6X.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Equipment type PFXP6 / PFXFP6 shall be mounted in an additional enclosure EPL Gc ensuring a minimal protection level IP54 for a Gas application, and in an enclosure EPL Dc insuring a minimal ingress protection IP6X for Dust application in accordance with the requirements of IEC 60079-0:2017, IEC 60079-7:2017, IEC 60079-15:2017 and IEC 60079-31:2013 standards.
- The enclosure equipped with equipment type PFXP6 / PFXFP6 shall not be opened when an explosive atmosphere is present and shall be used in an environment of not more than Pollution Degree 2 as defined in IEC 60664-1.
- Equipment type PFXP6 / PFXFP6 present a potential electrostatic charging hazard, safety precautions are defined in the instructions guide.
- Equipment type PFXP6 / PFXFP6 shall be protected against UV lights.
- The power supply cable, communication cables, or USB connectors must not be disconnected while circuit is live.
- The USB in front of the display unit shall be hidden by screwing the USB cover PFXZCDCVUS1.
- The user shall take into consideration during the installation of equipment type PFXP6 / PFXFP6 that the product underwent only a shock corresponding to an energy of a low risk at 2J.

The other conditions are stipulated in the instructions guide.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

<u>**Purpose of the issue 01:**</u>

Addition of new HMI Industrial Controller type PFXP6:

- The initial equipment is type PFXP6 Advanced or Standard series
- The new equipment is type PFXP6 Basic series

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Additional manufacturing locations:

Schneider Electric USA Inc
235 Burgess Road
Greensboro, NC 27409
United States of America

Annex:

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PARAMETERS RELATING TO THE SAFETY

PFXP6 Series

Model No.	Types of Box Module	Types of Display Module	Rated voltage (Vdc)	Maximum power dissipation (W)
PFXP67BD#	Advanced Box Core i7	None	24	121
PFXP65BD#	Advanced Box Core i5	None	24	121
PFXP6CBD#	Advanced Box Celeron	None	24	121
PFXP63B1#	Standard Box Core i3	None	24	87
PFXP6ABB#	**Basic Box Atome 2 core**	None	**12 - 24**	**45**
PFXP6BBB#	**Basic Box Atome 2 core**	None	**12 - 24**	**45**
PFXP6DBB#	**Basic Box Atome 4 core**	None	**12 - 24**	**45**
PFXP676D#	Advanced Box Core i7	12" Display	24	136
PFXP656D#	Advanced Box Core i5	12" Display	24	136
PFXP6C6D#	Advanced Box Celeron	12" Display	24	136
PFXP6361#	Standard Box Core i3	12" Display	24	68
PFXP6A6B#	**Basic Box Atome 2 core**	12" Display	**12 - 24**	**57**
PFXP6B6B#	**Basic Box Atome 2 core**	12" Display	**12 - 24**	**57**
PFXP6D6B#	**Basic Box Atome 4 core**	12" Display	**12 - 24**	**57**
PFXP677D#	Advanced Box Core i7	15" Display	24	141
PFXP657D#	Advanced Box Core i5	15" Display	24	141
PFXP6C7D#	Advanced Box Celeron	15" Display	24	141
PFXP6371#	Standard Box Core i3	15" Display	24	72
PFXP6A7B#	**Basic Box Atome 2 core**	15" Display	**12 - 24**	**61**
PFXP6B7B#	**Basic Box Atome 2 core**	15" Display	**12 - 24**	**61**
PFXP6D7B#	**Basic Box Atome 4 core**	15" Display	**12 - 24**	**61**
PFXP63D1#	Standard Box Core i3	10" Wide Display	24	65
PFXP6ADB#	**Basic Box Atome 2 core**	10" Wide Display	**12 - 24**	**53**
PFXP6BDB#	**Basic Box Atome 2 core**	10" Wide Display	**12 - 24**	**53**
PFXP6DDB#	**Basic Box Atome 4 core**	10" Wide Display	**12 - 24**	**53**
PFXP67ED#	Advanced Box Core i7	12" Wide Display	24	138
PFXP65ED#	Advanced Box Core i5	12" Wide Display	24	138
PFXP6CED#	Advanced Box Celeron	12" Wide Display	24	138
PFXP63E1#	Standard Box Core i3	12" Wide Display	24	69
PFXP6AEB#	**Basic Box Atome 2 core**	12" Wide Display	**12 - 24**	**56**
PFXP6BEB#	**Basic Box Atome 2 core**	12" Wide Display	**12 - 24**	**56**
PFXP6DEB#	**Basic Box Atome 4 core**	12" Wide Display	**12 - 24**	**56**
PFXP67FD#	Advanced Box Core i7	15" Wide Display	24	139
PFXP65FD#	Advanced Box Core i5	15" Wide Display	24	139
PFXP6CFD#	Advanced Box Celeron	15" Wide Display	24	139
PFXP63F1#	Standard Box Core i3	15" Wide Display	24	70
PFXP6AFB#	**Basic Box Atome 2 core**	15" Wide Display	**12 - 24**	**59**
PFXP6BFB#	**Basic Box Atome 2 core**	15" Wide Display	**12 - 24**	**59**
PFXP6DFB#	**Basic Box Atome 4 core**	15" Wide Display	**12 - 24**	**59**
PFXP67GD#	Advanced Box Core i7	19" Wide Display	24	150
PFXP65GD#	Advanced Box Core i5	19" Wide Display	24	150
PFXP6CGD#	Advanced Box Celeron	19" Wide Display	24	150
PFXP63G1#	Standard Box Core i3	19" Wide Display	24	82
PFXP6AGB#	**Basic Box Atome 2 core**	19" Wide Display	**12 - 24**	**69**
PFXP6BGB#	**Basic Box Atome 2 core**	19" Wide Display	**12 - 24**	**69**
PFXP6DGB#	**Basic Box Atome 4 core**	19" Wide Display	**12 - 24**	**69**
PFXP67AD#	Advanced Box Core i7	22" Wide Display	24	153
PFXP65AD#	Advanced Box Core i5	22" Wide Display	24	153
PFXP6CAD#	Advanced Box Celeron	22" Wide Display	24	153
PFXP63A1#	Standard Box Core i3	22" Wide Display	24	85
PFXP6AAB#	**Basic Box Atome 2 core**	22" Wide Display	**12 - 24**	**70**
PFXP6BAB#	**Basic Box Atome 2 core**	22" Wide Display	**12 - 24**	**70**
PFXP6DAB#	**Basic Box Atome 4 core**	22" Wide Display	**12 - 24**	**70**

Note: "#" Any letters or numbers.
(new additions are marked in **bold**)

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PFXFP6 Series

Model No.	Description	Rated voltage V d.c.	Power dissipation maximum (W)
PFXFP6600TMD	12" Display w/ Display Adapter	24	17.6
PFXFP6700TMD	15" Display w/ Display Adapter	24	22.4
PFXFP6500WCD	10" Wide Display w/ Display Adapter	24	12.4
PFXFP6600WCD	12" Wide Display w/ Display Adapter	24	15.9
PFXFP6700WCD	15" Wide Display w/ Display Adapter	24	20.0
PFXFP6800WCD	19" Wide Display w/ Display Adapter	24	30.6
PFXFP6900WCD	22" Wide Display w/ Display Adapter	24	31.8

MARKING

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

- SCHNEIDER ELECTRIC JAPAN HOLDINGS LTD
  541-0041 OSAKA - JAPAN
- PFXP6… or PFXFP6…[(*)]
- IECEx INE 22.0024X
- (Serial number)
- Ex ec nC IIC T4 Gc or Ex ec IIC T4 Gc
- Ex tc IIIC T135°C Dc
- T_{amb}: [(*)]

- *WARNINGS:*
  - DO NOT DISCONNECT WHEN CIRCUIT IS LIVE
  - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.

   (* *see descriptive table of equipment below*)

ROUTINE EXAMINATIONS AND TESTS

None

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DESCRIPTIVE TABLE OF EQUIPMENT:

HMI Industrial Controller PFXP6 Series

Digit	1-5	6	7	8	9	10	11	12	13	14	15	16	17	18
Range	PFXP6													
CPU	Core i7 (Advanced Box)	7												
	Core i5 (Advanced Box)	5												
	Celeron (Advanced Box)	C												
	Core i3 (Standard Box)	3												
	Atom 2 core (Basic Box)	**A**												
	Atom 2 core (Basic Box)	**B**												
	Atom 4 core (Basic Box)	**D**												
Display	None (Box Module)		B											
	12"		6											
	15"		7											
	10" Wide (for Standard Box only)		D											
	12" Wide		E											
	15" Wide		F											
	19" Wide		G											
	22" Wide		A											
Power	24 Vdc for Advanced Box			D										
	24 Vdc for Standard Box			1										
	12 – 24 Vdc for Basic model			**B**										
Slot	None				0									
	PCI x 1 + PCIe x 1 (for Advanced Box only)				M									
	PCIe x 2 (for Advanced Box only)				E									
	PCI x 2 (for Advanced Box only)				P									
Fan	None					N								
	With FAN kit (for Advanced Box only)					F								
Main storage	"*" Any letter or number						*							
Secondary storage	"*" Any letter or number							*						
Memory	"*" Any letter or number								*					
Options	"*" Any letter or number									*				
OS	"*" Any letter or number										*			
Software	"*" Any letter or number											*		
Reserved	"*" Any letter or number												*	*

(new additions are marked in **bold**)

Industrial Display PFXFP6 Series

Model No.	Description
PFXFP6600TMD	12" Display w/ Display Adapter
PFXFP6700TMD	15" Display w/ Display Adapter
PFXFP6500WCD	10" Wide Display w/ Display Adapter
PFXFP6600WCD	12" Wide Display w/ Display Adapter
PFXFP6700WCD	15" Wide Display w/ Display Adapter
PFXFP6800WCD	19" Wide Display w/ Display Adapter
PFXFP6900WCD	22" Wide Display w/ Display Adapter

All models may be followed by alphanumeric characters and there is no impact safety related critical components and constructions.

The operating temperatures marked on the products are:

PFXP6 Series

Model No.	Types of Box Module	Types of Display Module	Operating Temperature w/ HDD (°C)	Operating Temperature w/o HDD (°C)
PFXP67BD#	Advanced Box Core i7	None	0 to 45	0 to 55
PFXP65BD#	Advanced Box Core i5	None		
PFXP6CBD#	Advanced Box Celeron	None		
PFXP63B1#	Standard Box Core i3	None	0 to 40	
PFXP6ABB#	**Basic Box Atome 2 core**	None	N/A	
PFXP6BBB#	**Basic Box Atome 2 core**	None		
PFXP6DBB#	**Basic Box Atome 4 core**	None		
PFXP676D#	Advanced Box Core i7	12" Display	0 to 45	0 to 55
PFXP656D#	Advanced Box Core i5	12" Display		
PFXP6C6D#	Advanced Box Celeron	12" Display		
PFXP6361#	Standard Box Core i3	12" Display	0 to 40	
PFXP6A6B#	**Basic Box Atome 2 core**	12" Display	N/A	
PFXP6B6B#	**Basic Box Atome 2 core**	12" Display		
PFXP6D6B#	**Basic Box Atome 4 core**	12" Display		
PFXP677D#	Advanced Box Core i7	15" Display	0 to 45	0 to 55
PFXP657D#	Advanced Box Core i5	15" Display		
PFXP6C7D#	Advanced Box Celeron	15" Display		
PFXP6371#	Standard Box Core i3	15" Display	0 to 40	
PFXP6A7B#	**Basic Box Atome 2 core**	15" Display	N/A	
PFXP6B7B#	**Basic Box Atome 2 core**	15" Display		
PFXP6D7B#	**Basic Box Atome 4 core**	15" Display		
PFXP63D1#	Standard Box Core i3	10" Wide Display	0 to 40	0 to 55
PFXP6ADB#	**Basic Box Atome 2 core**	10" Wide Display	N/A	
PFXP6BDB#	**Basic Box Atome 2 core**	10" Wide Display		
PFXP6DDB#	**Basic Box Atome 4 core**	10" Wide Display		
PFXP67ED#	Advanced Box Core i7	12" Wide Display	0 to 45	0 to 55
PFXP65ED#	Advanced Box Core i5	12" Wide Display		
PFXP6CED#	Advanced Box Celeron	12" Wide Display		
PFXP63E1#	Standard Box Core i3	12" Wide Display	0 to 40	
PFXP6AEB#	**Basic Box Atome 2 core**	12" Wide Display	N/A	
PFXP6BEB#	**Basic Box Atome 2 core**	12" Wide Display		
PFXP6DEB#	**Basic Box Atome 4 core**	12" Wide Display		
PFXP67FD#	Advanced Box Core i7	15" Wide Display	0 to 45	0 to 55
PFXP65FD#	Advanced Box Core i5	15" Wide Display		
PFXP6CFD#	Advanced Box Celeron	15" Wide Display		
PFXP63F1#	Standard Box Core i3	15" Wide Display	0 to 40	
PFXP6AFB#	**Basic Box Atome 2 core**	15" Wide Display	N/A	
PFXP6BFB#	**Basic Box Atome 2 core**	15" Wide Display		
PFXP6DFB#	**Basic Box Atome 4 core**	15" Wide Display		
PFXP67GD#	Advanced Box Core i7	19" Wide Display	0 to 45	0 to 50
PFXP65GD#	Advanced Box Core i5	19" Wide Display		
PFXP6CGD#	Advanced Box Celeron	19" Wide Display		
PFXP63G1#	Standard Box Core i3	19" Wide Display	0 to 40	
PFXP6AGB#	**Basic Box Atome 2 core**	19" Wide Display	N/A	
PFXP6BGB#	**Basic Box Atome 2 core**	19" Wide Display		
PFXP6DGB#	**Basic Box Atome 4 core**	19" Wide Display		
PFXP67AD#	Advanced Box Core i7	22" Wide Display	0 to 45	0 to 50
PFXP65AD#	Advanced Box Core i5	22" Wide Display		
PFXP6CAD#	Advanced Box Celeron	22" Wide Display		
PFXP63A1#	Standard Box Core i3	22" Wide Display	0 to 40	
PFXP6AAB#	**Basic Box Atome 2 core**	22" Wide Display	N/A	
PFXP6BAB#	**Basic Box Atome 2 core**	22" Wide Display		
PFXP6DAB#	**Basic Box Atome 4 core**	22" Wide Display		

(new additions are marked in **bold**)

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PFXFP6 Series

Model No.	Description	Operating Temperature (°C)
PFXFP6600TMD	12" Display w/ Display Adapter	0 to 55
PFXFP6700TMD	15" Display w/ Display Adapter	0 to 55
PFXFP6500WCD	10" Wide Display w/ Display Adapter	0 to 55
PFXFP6600WCD	12" Wide Display w/ Display Adapter	0 to 55
PFXFP6700WCD	15" Wide Display w/ Display Adapter	0 to 55
PFXFP6800WCD	19" Wide Display w/ Display Adapter	0 to 50
PFXFP6900WCD	22" Wide Display w/ Display Adapter	0 to 50