IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx DEK 19.0039X

Issue No: 0

Certificate history:
Issue No. 0 (2019-07-24)

Status: **Current**

Date of Issue: **2019-07-24**

Applicant: **SIEMENS AG**
Breslauer Straße 5
D-90766 Fürth
Germany

Equipment: **Industrial PC SIMATIC Series**

Optional accessory:

Type of Protection: **Ex nA and Ex tc**

Marking:

Ex nA IIC T4 Gc
Ex tc IIIC T70 °C Dc

Approved for issue on behalf of the IECEx Certification Body: R. Schuller

Position: Certification Manager

Signature:
(for printed version)



Date: 2019-07-24

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 the Official IECEx Website.

Certificate issued by:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands

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Manufacturer:	**SIEMENS** Breslauer Strasse 5 90766 Fürth **Germany**	

Additional Manufacturing location(s):

SIEMENS AG
Östliche Rheinbrückenstraße 50
76187 Karlsruhe
Germany

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 apparatus 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition:4	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"

*This Certificate **does not** indicate compliance with electrical 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:

NL/DEK/ExTR19.0049/00

Quality Assessment Report:

DE/BVS/QAR08.0005/09 NL/DEK/QAR12.0079/04

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Industrial PC SIMATIC IPC277E 19" INOX PRO Type 6AV7484 - …for use in SIMATIC Programmable Controller Systems.

The front side provides a degree of protection of at least IP66 according to IEC 60529.

The type code, the ambient temperature range and the temperature class of the modules shall be taken from Table 1, see Annex 1.

Electrical data
The electrical data of the supply and the input and output circuits shall be taken from Table 1 of Annex 1.

SPECIFIC CONDITIONS OF USE: YES as shown below:

he Industrial PC SIMATIC Type 6AV7484 - … including the top side of the stand provides a degree of protection of at least IP66. The bottom side of the stand shall be connected to a certified enclosure, providing a degree of protection of at least IP54 according to IEC 60079-15 for gas and non-conductive dust and IP6X according to IEC 60079-31, for conductive dust, taking into account the environmental conditions under which the equipment is used.

The equipment shall be installed in such a way that the risk of mechanical danger is low.

To avoid an electrostatic charge, wipe the enclosure surface with a damp cloth only.

When used in an area requiring the use of equipment with EPL Gc:
- the equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.
- Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

Annex:

Annex to DEK 19.0039X - issue 0 - ExTR19.0049.00.pdf

Annex 1 to Certificate of Conformity IECEx DEK 19.0039X
Testreport NL/DEK/ExTR19.0049/00

Table 1

Description	Type/MLFB No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
SIMATIC IPC277E 19" INOX PRO	6AV7484-5AB00-0AA0	T4	All operating positions: 0…+45°C See manual A5E37416443-AE; 05/2017 for details	1 x USB 5Vdc/0.9A / 3 x USB 2.0 5Vdc/0.5A/ Display Port:3.3V/0.5A / 2 x Ethernet Interfaces (only signals)	24V
SIMATIC IPC277E 19" INOX PRO	6AV7484-5AB10-0AA0	T4	All operating positions: 0…+45°C See manual A5E37416443-AE; 05/2017 for details	1 x USB 5Vdc/0.9A / 3 x USB 2.0 5Vdc/0.5A/ Display Port:3.3V/0.5A / 2 x Ethernet Interfaces (only signals)	24V