

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**

- 2. **Certificate No:** FM19US0096X
- 3. **Equipment:** C7 Compact Automation System
(Type Reference and Name)
- 4. **Name of Listing Company:** Siemens AG – DI FA AS
- 5. **Address of Listing Company:** Gleiwitzer Str. 555
D-90475 Nuremberg, Bavaria
Germany

6. The examination and test results are recorded in confidential report number:
3022477 dated 30th September 2005

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

Listing – 1

FM Class 3600:2018, FM Class 3611:2018, FM Class 3810:2018, ANSI/UL 121201:2017,
ANSI/UL 61010-1:2012; ANSI/NEMA 250:2003; ANSI/IEC 60529:2004

Listing – 2

FM Class 3600:2018, FM Class 3611:2018, FM Class 3810:2018, ANSI/UL 121201:2017,
ANSI/UL 61010-1:2012

- 8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- 9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

10. **Equipment Ratings:**

Listing – 1

Nonincendive for use in Class I, Division 2, Groups A, B, C & D, and Class I, Zone 2, Group IIC,
Hazardous (Classified) Locations; NEMA 4X; IP65.

Listing – 2

Nonincendive for Class I, Division 2, Groups A, B, C & D, T* and Class I, Zone 2, Group IIC, T**
Hazardous (Classified) indoor Locations

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

8 July 2019

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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SCHEDULE



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11. The marking of the equipment shall include:

Listing – 1

Class I, Division 2, Groups A, B, C, D; T4 Ta = 0°C to +50°C; IP65/Type 4X
Class I, Zone 2, Group IIC; T4 Ta = 0°C to +50°C; IP65/Type 4X

Listing – 2

Class I Division 2, Groups A, B, C, D; T*
Class I, Zone 2, Groups IIC; T**
For ambient temperature range and temperature class marking, see Section 12.

12. **Description of Equipment:**

General – The C7 Touch Compact Automation Systems are Panel Modules designed to connect to SIMATIC S7 PLC systems. The modules provides Analog Inputs/Outputs, Digital Inputs/Outputs, communication via RS484/RS422 and MPI interfaces, and a slot for insertion of a mini memory card or an additional CF card. The system is a fixed installation device that is intended to be mounted in a vent-free enclosure where the overall system of Approved equipment will be installed. All unused openings are to be closed off.

Ratings - The C7 Touch Compact Automation System is supplied from an external voltage source with a range of 19.2V to 30.2V. The C7 System modules operate at an ambient temperature of 0°C to +50°C or +45°C, as indicated in the table below. The C7-636-2EB system operates at an ambient temperature of 0°C to +50°C when mounted horizontally, 0°C to +40°C when mounted vertically, or 0°C to +45°C when mounted at a 45° angle.

Listing – 1

6ES7 636-2EBb-a Compact Automation System C7-636 Touch

a = 4 digit letter or number referring to non-electrical properties as product associates, language, delivery packing, documentation, etc.
b = 2 digit letter or number denoting firmware variation.

Listing – 2

SIMATIC C7 System Modules

Model No.	Description	T-Code*	T-Code**	Tambient
6ES7 613-1CA b-a	Compact Automation System C7-635 TB	T4A	T4	0°C to +50°C
6ES7 621-1AD b-a	Compact Automation System CAS 10	T4	T4	0°C to +50°C
6ES7 621-6BD b-a	Compact Automation System CAS 10 ASI	T4	T4	0°C to +50°C
6ES7 626-1DG b-a	Compact Automation System C7-626 P	T4	T4	0°C to +45°C
6ES7 626-1SA04-0AF0	Customer Variant of Module C7-626 P	T4	T4	0°C to +45°C
6ES7 626-2DG b-a	Compact Automation System C7-626 P/DP	T4	T4	0°C to +45°C
6ES7 626-2SA04-0AF0	Customer Variant of Module C7-626 P/DP	T4	T4	0°C to +45°C
6ES7 630-0DA-a	I/O Extension Module for C7	T4	T4	0°C to +50°C
6ES7 633-1DF b-a	Compact Automation System C7-633 P	T4	T4	0°C to +50°C
6ES7 633-1SA02-0AD0	Customer Variant of Module C7-633 P	T4	T4	0°C to +50°C
6ES7 633-1SA02-0AJ0	Customer Variant of Module C7-633 P	T4	T4	0°C to +50°C
6ES7 633-1SC02-0AF0	Customer Variant of Module C7-633 P	T4	T4	0°C to +50°C
6ES7 633-2BF b-a	Compact Automation System C7-633 DP	T4A	T4	0°C to +50°C
6ES7 633-2BJ b-a	Compact Automation System C7-633 DP	T4A	T4	0°C to +50°C
6ES7 633-2SA02-0AD0	Customer Variant of Module C7-633 DP	T4A	T4	0°C to +50°C
6ES7 633-2SC02-0AF0	Customer Variant of Module C7-633 DP	T4A	T4	0°C to +50°C

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6ES7 633-2SC02-0AF1	Customer Variant of Module C7-633 DP	T4A	T4	0°C to +50°C
6ES7 635-2EC b-a	Compact Automation System C7-635K	T4A	T4	0°C to +50°C
6ES7 634-1DF b-a	Compact Automation System C7-634 /P	T4A	T4	0°C to +50°C
6ES7 634-2BF b-a	Compact Automation System C7-634 /P	T4A	T4	0°C to +50°C
6ES7 635-2EB b-a	Compact Automation System C7-635 TB	T4A	T4	0°C to +50°C
6ES7 636-2EC b-a	Compact Automation System C7-636K	T4	T4	0°C to +50°C

a = Any 2 or 4 digit letter or number referring to non-electrical properties as product associates, language, delivery packing, documentation, etc.
b = Any 2 digit letter or number denoting firmware variation.

13. Specific Conditions of Use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.
2. For a valid IP65/Type 4X rating, the module must be installed in accordance with the manufacturer's instruction manual A5E00270832.

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
30 th September 2005	Original Issue.
8 th July 2019	Supplement 1: Report Reference: – RR218949 dated 8 th July 2019 Description of the Change: Nonincendive re-examination. Update to latest certificate format. Update department name. Combined C7 modules examined under Original Project ID 3005160.

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