

# CERTIFICATE OF CONFORMITY



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

- 2. **Certificate No:** FM16US0371X
- 3. **Equipment:** SIMATIC S7-1500 System & ET 200MP Modules  
(Type Reference and Name)
- 4. **Name of Listing Company:** Siemens AG – DF 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:  
3046088 dated 11<sup>th</sup> June 2012

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

*Section – 1*  
FM Class 3600:2018, FM Class 3611:2018, FM Class 3810:2018, ANSI/UL 121201:2017,  
ANSI/ISA 61010-1:2015

*Section – 2*  
FM Class 3600:2011, FM Class 3611:2004, FM Class 3810:2005

- 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:

Nonincendive for use in Class I, Division 2, Groups A, B, C & D, and Class I, Zone 2, Group IIC, Hazardous (Classified) Locations with an ambient temperature rating of 0°C to +60°C, indoor environments.

**Certificate issued by:**

J.E. Marquedant  
VP, Manager - Electrical Systems

2 May 2019

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

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

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA  
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

# SCHEDULE



US Certificate Of Conformity No: FM16US0371X

11. The marking of the equipment shall include:

Class I, Division 2, Groups A, B, C, D; T4

Class I, Zone 2, Group IIC; T4

For ambient temperature range, see Table in Section 12.

WARNING – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR DIVISION 2

12. **Description of Equipment:**

**General** - SIMATIC is the family name of a large range of Siemens (fail-safe) Control Automation Systems. All SIMATIC Control Automation Systems communicate on an open bus system called PROFIBUS DP or an open Ethernet system called PROFINET. The SIMATIC ET 200MP and S7-1500 Systems are open-type programmable controllers used for solving automation tasks. The systems consist of several modules, which can be assembled as necessary. The ET 200MP System contains an interface module and power supply, as well as a full range of analog or digital input or output modules. The S7-1500 System contains a CPU Module in place of the interface module, which allows for a higher level of function and control. All modules are designed to be used with both systems.

**Ratings** - The S7-1500 & ET 200MP Modules are supplied from an external voltage source with a range of 20.4Vdc to 28.8Vdc. The S7-1500 & ET 200MP Power Modules are supplied from an external voltage source with a range of 19.2Vdc to 72.0Vdc. The modules operate at an ambient temperature of 0°C to +60°C when mounted horizontally or 0°C to +40°C when mounted vertically.

Section – 1

## **S7-1500 System and ET 200MP Series, SIMATIC Programmable Controller Components.**

Model No.	Description	Tambient
6ES7 155-5AA00-aaAa	IM 155-5 PN	0°C to +60°C
6ES7 155-5AA00-aaBa	IM 155-5 PN, Interface Module	0°C to +60°C
6ES7 155-5AA00-aaCa	IM 155-5 PN HF CU	0°C to +60°C
6ES7 155-5AA01-a	IM 155-5 PN ST	0°C to +60°C
6ES7 155-5BA00-a	IM 155-5 DP CU	0°C to +60°C
6ES7 505-0KA00-a	Power Supply, DC 25W	0°C to +60°C
6ES7 505-0RA00-a	Power Supply, DC 60W	0°C to +60°C
6ES7 507-0RA00-a	Power Supply, AC 60W	0°C to +60°C
6ES7 505-0RB00-a	PS1505 DC 60W HF	0°C to +60°C
6ES7 511-1AK00-a	CPU 1511-1PN	0°C to +60°C
6ES7 511-1AK01-a	CPU 1511-1PN	0°C to +60°C
6ES7 511-1AK02-a	CPU 1511-1PN	0°C to +60°C
6ES7 511-1CK00-a	CPU1511C	0°C to +60°C
6ES7 511-1CK01-a	CPU 1511C-1PN	0°C to +60°C
6ES7 511-1FK00-a	CPU 1511F-1PN	0°C to +60°C
6ES7 511-1FK01-a	CPU 1511F-1PN	0°C to +60°C
6ES7 511-1FK02-a	CPU 1511F-1PN	0°C to +60°C
6ES7 512-1CK00-a	CPU1512C	0°C to +60°C
6ES7 512-1CK01-a	CPU 1512C-1PN	0°C to +60°C
6ES7 513-1AL00-a	CPU 1513-1PN	0°C to +60°C
6ES7 513-1AL01-a	CPU 1513-1PN	0°C to +60°C
6ES7 513-1AL02-a	CPU 1513-1PN	0°C to +60°C
6ES7 513-1FL00-a	CPU 1513F-1PN	0°C to +60°C

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# SCHEDULE



US Certificate Of Conformity No: FM16US0371X

6ES7 513-1FL01-a	CPU 1513F-1PN	0°C to +60°C
6ES7 513-1FL02-a	CPU 1513F-1PN	0°C to +60°C
6ES7 513-1RL00-a	CPU 1513R-1PN	0°C to +60°C
6ES7 515-2AM00-a	CPU 1515-2PN	0°C to +60°C
6ES7 515-2AM01-a	CPU 1515-2PN	0°C to +60°C
6ES7 515-2FM00-a	CPU 1515F-2PN	0°C to +60°C
6ES7 515-2FM01-a	CPU 1515F-2PN	0°C to +60°C
6ES7 515-2RM00-a	CPU 1515R-2PN	0°C to +60°C
6ES7 516-3AN00-a	CPU 1516-3PN/DP	0°C to +60°C
6ES7 516-3AN01-a	CPU 1516-3PN/DP	0°C to +60°C
6ES7 516-3FN00-a	CPU 1516F-3PN/DP	0°C to +60°C
6ES7 516-3FN01-a	CPU 1516F-3PN/DP	0°C to +60°C
6ES7 517-3AP00-a	CPU 1517-3PN/DP	0°C to +60°C
6ES7 517-3FP00-a	CPU 1517F-3PN/DP	0°C to +60°C
6ES7 517-3HP00-a	CPU 1517H-3 PN	0°C to +60°C
6ES7 518-4AP00-a	CPU 1518-4PN/DP	0°C to +60°C
6ES7 518-4AX00-a	CPU 1518-4PN/DP	0°C to +60°C
6ES7 518-4FP00-a	CPU 1518F-4PN/DP	0°C to +60°C
6ES7 518-4FX00-a	CPU 1518F-4PN/DP	0°C to +60°C
6ES7 521-1BH00-a	16 DI, DC24V Digital Input Module	0°C to +60°C
6ES7 521-1BH10-a	DI 16x24Vdc BA	0°C to +60°C
6ES7 521-1BH50-a	DI 16x24Vdc SRC BA	0°C to +60°C
6ES7 521-1BL00-a	32 DI, DC24V Digital Input Module	0°C to +60°C
6ES7 521-1BL10-a	DI 32x24Vdc BA	0°C to +60°C
6ES7 521-1FH00-a	DI 16x230Vac BA	0°C to +60°C
6ES7 521-7EH00-a	DI 16x24-125VUC HF	0°C to +60°C
6ES7 522-1BF00-a	DQ 8x24Vdc 2A HF	0°C to +60°C
6ES7 522-1BH00-a	16 DQ, DC24V/0.5A Digital Output Module	0°C to +60°C
6ES7 522-1BH01-a	DQ 16x24VDC/0,5A HF	0°C to +60°C
6ES7 522-1BH10-a	DQ 16x24Vdc/0.5A BA	0°C to +60°C
6ES7 522-1BL00-a	32 DQ, DC24V/0.5A Digital Output Module	0°C to +60°C
6ES7 522-1BL01-a	DQ 32x24VDC/0.5A HF	0°C to +60°C
6ES7 522-1BL10-a	DQ 32x24Vdc/0.5A BA	0°C to +60°C
6ES7 522-5EH00-a	DQ 16x24...48VUC/125VDC 2A HF	0°C to +60°C
6ES7 522-5FF00-a	DQ 8x230Vac 2A ST	0°C to +60°C
6ES7 522-5FH00-a	16 DQ, 230V AC / 1A ST (Triac)	0°C to +60°C
6ES7 523-1BL00-a	DI 16x24Vdc / DQ 16x24Vdc/0.5A BA	0°C to +60°C
6ES7 526-1BH00-a	F-DI 16 x 24Vdc	0°C to +60°C
6ES7 526-2BF00-a	F-DQ 16 x 24Vdc / 2A PPM	0°C to +60°C
6ES7 531-7KF00-a	AI 8xU/I/RTD/TC STD	0°C to +60°C
6ES7 531-7NF00-a	AI 8xU/I HF	0°C to +60°C
6ES7 531-7NF10-a	AI 8xUI HS	0°C to +60°C
6ES7 531-7PF00-a	AI 8xR/RTD/TC HF	0°C to +60°C
6ES7 531-7QD00-a	AI 4xU/I/RTD/TC ST	0°C to +60°C
6ES7 532-5HD00-a	AQ 4xU/I ST	0°C to +60°C
6ES7 532-5HF00-a	AQ 8xUI HS	0°C to +60°C
6ES7 532-5NB00-a	AQ 2xU/I, ST, 16Bit, 0.3%	0°C to +60°C
6ESy 532-5ND00-a	AQ 4XU/I HF	0°C to +60°C

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US Certificate Of Conformity No: FM16US0371X

6ES7 534-7QE00-a	AI/AQ 4xU/I/RTD/TC; 2xU,I ST	0°C to +60°C
6ES7 540-1AB00-a	CM RS422/485 BA	0°C to +60°C
6ES7 540-1AD00-a	CM RS232 BA	0°C to +60°C
6ES7 541-1AB00-a	CM RS422/485HF	0°C to +60°C
6ES7 541-1AD00-a	CM RS232 HF	0°C to +60°C
6ES7 550-1AA00-a	TM Count 2x 24V	0°C to +60°C
6ES7 551-1AB00-a	TM PosInput 2	0°C to +60°C
6ES7 552-1AA00-a	TM Timer DI/ DQ 16x24V	0°C to +60°C
6ES7 553-1AA00-a	TM PTO 4	0°C to +60°C
6ES7 592-1AM00-a	40-Pin Front Connector	0°C to +60°C
6ES7 592-1BM00-aaAa	Front Connector "Push In" 40 Pin, 15.4mm	0°C to +60°C
6ES7 592-1BM00-aaBa	Front Connector "Push In" 40 Pin, 25.4mm	0°C to +60°C

a = Options not affecting safety, any 2 or 4 digit letter or number referring to non-electrical properties as product associates, language, delivery packing, documentation, etc.

Section – 2

### **S7-1500 System and ET 200MP Series, SIMATIC Programmable Controller Components.**

Model No.	Description	Tambient
6ES7 522-5HF00-a	8 DQ, Rel. AC 230V / 5A ST	0°C to +60°C
6ES7 522-5HH00-a	16 DQ, 230V AC / 2A ST (Relay)	0°C to +60°C

a = Options not affecting safety, any 2 or 4 digit letter or number referring to non-electrical properties as product associates, language, delivery packing, documentation, etc.

### 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. The maximum ambient temperature is reduced to 40 °C when mounted vertically.

### 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
11 <sup>th</sup> June 2012	Original Issue.
15 <sup>th</sup> January 2017	<u>Supplement 23:</u> Report Reference: – 3060884 dated 15 <sup>th</sup> January 2017

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# SCHEDULE

US Certificate Of Conformity No: FM16US0371X

	Description of the Change: Addition of the IM 155-5 PN module.
19 <sup>th</sup> February 2017	<u>Supplement 24:</u> Report Reference: – 3061230 dated 19 <sup>th</sup> February 2017 Description of the Change: Update to the AI 8xU/I/RTD/TC STD module.
5 <sup>th</sup> April 2017	<u>Supplement 25:</u> Report Reference: 3061507, dated 5 <sup>th</sup> April 2017. Description of the Change: Addition of the PS DC 60 W HF module.
26 <sup>th</sup> October 2017	<u>Supplement 26:</u> Report Reference: 3062015, dated 26 <sup>th</sup> October 2017. Description of the Change: Addition of the AQ 4xU/I ST module as a modification to existing AQ 4 module. Assembly document and model code update; correction to the intellectual design control of the equipment – the actual change is made to the entire certificate and the full document is issued to the holder.
10 <sup>th</sup> November 2017	<u>Supplement 27:</u> Report Reference: – 3063437 dated 10 <sup>th</sup> November 2017 Description of the Change: Addition of IM 155-5 PN ST module.
22 <sup>nd</sup> March 2018	<u>Supplement 28:</u> Report Reference: – PR449190 dated 22 <sup>nd</sup> march 2018 Description of the Change: Addition of 6ES7 511-1AK02-a, 6ES7 511-1CK01-a, 6ES7 511-1FK02-a, 6ES7 512-1CK01-a, 6ES7 513-1AL02-a, 6ES7 513-1FL02-a, 6ES7 518-4AX00-a, 6ES7 518-4FX00-a modules
12 <sup>th</sup> February 2019	<u>Supplement 29:</u> Report Reference: – PR452681 dated 12 <sup>th</sup> February 2019 Description of the Change: Adding CPU 1517H-3 PN. Updating equipment list to remove redundant columns.
10 <sup>th</sup> March 2019	<u>Supplement 30:</u> Report Reference: – RR217970 dated 10 <sup>th</sup> March 2019 Description of the Change: Adding CPU 1513R-1PN & CPU 1515R-2PN.
2 <sup>nd</sup> May 2019	<u>Supplement 31:</u> Report Reference: – RR217969 dated 2 <sup>nd</sup> May 2019 Description of the Change: Nonincendive re-examination of all modules. Created separate section for modules still approved to old edition of the standard.

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# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM16CA0175X
3. **Equipment:** SIMATIC S7-1500 System & ET 200MP Modules  
(Type Reference and Name)
4. **Name of Listing Company:** Siemens AG – DF 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:  
3046088 dated 11<sup>th</sup> June 2012
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
*Section – 1*  
CAN/CSA C22.2 No. 0-10:R2015, CAN/CSA C22.2 No. 213:2017, CAN/CSA-C22.2 No. 61010-1:2015  
*Section – 2*  
CAN/CSA C22.2 No. 0-10:R2015, CAN/CSA C22.2 No. 213-M1987:R2013,  
CAN/CSA-C22.2 No. 1010-1:2004
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:**  
Nonincendive equipment for use in Class I, Division 2, Groups A, B, C & D Hazardous Locations, indoor environments.

**Certificate issued by:**

J.E. Marquedant  
VP, Manager - Electrical Systems

2 May 2019

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

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# SCHEDULE



Canadian Certificate Of Conformity No: FM16CA0175X

11. The marking of the equipment shall include:

Class I Division 2, Groups A, B, C, D; T4

For ambient temperature range, see Table in Section 12.

WARNING – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR DIVISION 2

AVERTISSEMENT – RISQUE D'EXPLOSION. LE REMPLACEMENT DE COMPOSANTS PEUT NUIRE À LA CONFORMITÉ DE CLASSE I, DIVISION 2

12. **Description of Equipment:**

**General** - SIMATIC is the family name of a large range of Siemens (fail-safe) Control Automation Systems. All SIMATIC Control Automation Systems communicate on an open bus system called PROFIBUS DP or an open Ethernet system called PROFINET. The SIMATIC ET 200MP and S7-1500 Systems are open-type programmable controllers used for solving automation tasks. The systems consist of several modules, which can be assembled as necessary. The ET 200MP System contains an interface module and power supply, as well as a full range of analog or digital input or output modules. The S7-1500 System contains a CPU Module in place of the interface module, which allows for a higher level of function and control. All modules are designed to be used with both systems.

**Ratings** - The S7-1500 & ET 200MP Modules are supplied from an external voltage source with a range of 20.4Vdc to 28.8Vdc. The S7-1500 & ET 200MP Power Modules are supplied from an external voltage source with a range of 19.2Vdc to 72.0Vdc. The modules operate at an ambient temperature of 0°C to +60°C when mounted horizontally or 0°C to +40°C when mounted vertically.

Section – 1

### **S7-1500 System and ET 200MP Series, SIMATIC Programmable Controller Components.**

Model No.	Description	Tambient
6ES7 155-5AA00-aaAa	IM 155-5 PN	0°C to +60°C
6ES7 155-5AA00-aaBa	IM 155-5 PN, Interface Module	0°C to +60°C
6ES7 155-5AA00-aaCa	IM 155-5 PN HF CU	0°C to +60°C
6ES7 155-5AA01-a	IM 155-5 PN ST	0°C to +60°C
6ES7 155-5BA00-a	IM 155-5 DP CU	0°C to +60°C
6ES7 505-0KA00-a	Power Supply, DC 25W	0°C to +60°C
6ES7 505-0RA00-a	Power Supply, DC 60W	0°C to +60°C
6ES7 505-0RB00-a	PS1505 DC 60W HF	0°C to +60°C
6ES7 507-0RA00-a	Power Supply, AC 60W	0°C to +60°C
6ES7 511-1AK00-a	CPU 1511-1PN	0°C to +60°C
6ES7 511-1AK01-a	CPU 1511-1PN	0°C to +60°C
6ES7 511-1AK02-a	CPU 1511-1PN	0°C to +60°C
6ES7 511-1CK00-a	CPU1511C	0°C to +60°C
6ES7 511-1CK01-a	CPU 1511C-1PN	0°C to +60°C
6ES7 511-1FK00-a	CPU 1511F-1PN	0°C to +60°C
6ES7 511-1FK01-a	CPU 1511F-1PN	0°C to +60°C
6ES7 511-1FK02-a	CPU 1511F-1PN	0°C to +60°C
6ES7 512-1CK00-a	CPU1512C	0°C to +60°C
6ES7 512-1CK01-a	CPU 1512C-1PN	0°C to +60°C
6ES7 513-1AL00-a	CPU 1513-1PN	0°C to +60°C
6ES7 513-1AL01-a	CPU 1513-1PN	0°C to +60°C
6ES7 513-1AL02-a	CPU 1513-1PN	0°C to +60°C

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# SCHEDULE



*Member of the FM Global Group*

Canadian Certificate Of Conformity No: FM16CA0175X

6ES7 513-1FL00-a	CPU 1513F-1PN	0°C to +60°C
6ES7 513-1FL01-a	CPU 1513F-1PN	0°C to +60°C
6ES7 513-1FL02-a	CPU 1513F-1PN	0°C to +60°C
6ES7 513-1RL00-a	CPU 1513R-1PN	0°C to +60°C
6ES7 515-2AM00-a	CPU 1515-2PN	0°C to +60°C
6ES7 515-2AM01-a	CPU 1515-2PN	0°C to +60°C
6ES7 515-2FM00-a	CPU 1515F-2PN	0°C to +60°C
6ES7 515-2FM01-a	CPU 1515F-2PN	0°C to +60°C
6ES7 515-2RM00-a	CPU 1515R-2PN	0°C to +60°C
6ES7 516-3AN00-a	CPU 1516-3PN/DP	0°C to +60°C
6ES7 516-3AN01-a	CPU 1516-3PN/DP	0°C to +60°C
6ES7 516-3FN00-a	CPU 1516F-3PN/DP	0°C to +60°C
6ES7 516-3FN01-a	CPU 1516F-3PN/DP	0°C to +60°C
6ES7 517-3AP00-a	CPU 1517-3PN/DP	0°C to +60°C
6ES7 517-3FP00-a	CPU 1517F-3PN/DP	0°C to +60°C
6ES7 517-3HP00-a	CPU 1517H-3 PN	0°C to +60°C
6ES7 518-4AP00-a	CPU 1518-4PN/DP	0°C to +60°C
6ES7 518-4AX00-a	CPU 1518-4PN/DP	0°C to +60°C
6ES7 518-4FP00-a	CPU 1518F-4PN/DP	0°C to +60°C
6ES7 518-4FX00-a	CPU 1518F-4PN/DP	0°C to +60°C
6ES7 521-1BH00-a	16 DI, DC24V Digital Input Module	0°C to +60°C
6ES7 521-1BH10-a	DI 16x24Vdc BA	0°C to +60°C
6ES7 521-1BH50-a	DI 16x24Vdc SRC BA	0°C to +60°C
6ES7 521-1BL00-a	32 DI, DC24V Digital Input Module	0°C to +60°C
6ES7 521-1BL10-a	DI 32x24Vdc BA	0°C to +60°C
6ES7 521-1FH00-a	DI 16x230Vac BA	0°C to +60°C
6ES7 521-7EH00-a	DI 16x24-125VUC HF	0°C to +60°C
6ES7 522-1BF00-a	DQ 8x24Vdc 2A HF	0°C to +60°C
6ES7 522-1BH00-a	16 DQ, DC24V/0.5A Digital Output Module	0°C to +60°C
6ES7 522-1BH01-a	DQ 16x24VDC/0,5A HF	0°C to +60°C
6ES7 522-1BH10-a	DQ 16x24Vdc/0.5A BA	0°C to +60°C
6ES7 522-1BL00-a	32 DQ, DC24V/0.5A Digital Output Module	0°C to +60°C
6ES7 522-1BL01-a	DQ 32x24VDC/0.5A HF	0°C to +60°C
6ES7 522-1BL10-a	DQ 32x24Vdc/0.5A BA	0°C to +60°C
6ES7 522-5EH00-a	DQ 16x24...48VUC/125VDC 2A HF	0°C to +60°C
6ES7 522-5FF00-a	DQ 8x230Vac 2A ST	0°C to +60°C
6ES7 522-5FH00-a	16 DQ, 230V AC / 1A ST (Triac)	0°C to +60°C
6ES7 523-1BL00-a	DI 16x24Vdc / DQ 16x24Vdc/0.5A BA	0°C to +60°C
6ES7 526-1BH00-a	F-DI 16 x 24Vdc	0°C to +60°C
6ES7 526-2BF00-a	F-DQ 16 x 24Vdc / 2A PPM	0°C to +60°C
6ES7 531-7KF00-a	AI 8xU/I/RTD/TC STD	0°C to +60°C
6ES7 531-7NF00-a	AI 8xU/I HF	0°C to +60°C
6ES7 531-7NF10-a	AI 8xUI HS	0°C to +60°C
6ES7 531-7PF00-a	AI 8xR/RTD/TC HF	0°C to +60°C
6ES7 531-7QD00-a	AI 4xU/I/RTD/TC ST	0°C to +60°C
6ES7 532-5HD00-a	AQ 4xU/I ST	0°C to +60°C
6ES7 532-5HF00-a	AQ 8xUI HS	0°C to +60°C
6ES7 532-5NB00-a	AQ 2xU/I, ST, 16Bit, 0.3%	0°C to +60°C

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# SCHEDULE



Member of the FM Global Group

Canadian Certificate Of Conformity No: FM16CA0175X

6ESy 532-5ND00-a	AQ 4XU/I HF	0°C to +60°C
6ES7 534-7QE00-a	AI/AQ 4xU/I/RTD/TC; 2xU,I ST	0°C to +60°C
6ES7 540-1AB00-a	CM RS422/485 BA	0°C to +60°C
6ES7 540-1AD00-a	CM RS232 BA	0°C to +60°C
6ES7 541-1AB00-a	CM RS422/485HF	0°C to +60°C
6ES7 541-1AD00-a	CM RS232 HF	0°C to +60°C
6ES7 550-1AA00-a	TM Count 2x 24V	0°C to +60°C
6ES7 551-1AB00-a	TM PosInput 2	0°C to +60°C
6ES7 552-1AA00-a	TM Timer DI/ DQ 16x24V	0°C to +60°C
6ES7 553-1AA00-a	TM PTO 4	0°C to +60°C
6ES7 592-1AM00-a	40-Pin Front Connector	0°C to +60°C
6ES7 592-1BM00-aaAa	Front Connector "Push In" 40 Pin, 15.4mm	0°C to +60°C
6ES7 592-1BM00-aaBa	Front Connector "Push In" 40 Pin, 25.4mm	0°C to +60°C

a = Options not affecting safety, any 2 or 4 digit letter or number referring to non-electrical properties as product associates, language, delivery packing, documentation, etc.

Section – 2

### **S7-1500 System and ET 200MP Series, SIMATIC Programmable Controller Components.**

Model No.	Description	Tambient
6ES7 522-5HF00-a	8 DQ, Rel. AC 230V / 5A ST	0°C to +60°C
6ES7 522-5HH00-a	16 DQ, 230V AC / 2A ST (Relay)	0°C to +60°C

a = Options not affecting safety, any 2 or 4 digit letter or number referring to non-electrical properties as product associates, language, delivery packing, documentation, etc.

#### 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. The maximum ambient temperature is reduced to 40 °C when mounted vertically.

#### 14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

#### 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
11 <sup>th</sup> June 2012	Original Issue.

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# SCHEDULE



Canadian Certificate Of Conformity No: FM16CA0175X

15 <sup>th</sup> January 2017	<u>Supplement 23:</u> Report Reference: – 3060884 dated 15 <sup>th</sup> January 2017 Description of the Change: Addition of the IM 155-5 PN module.
19 <sup>th</sup> February 2017	<u>Supplement 24:</u> Report Reference: – 3061230 dated 19 <sup>th</sup> February 2017 Description of the Change: Update to the AI 8xU/I/RTD/TC STD module.
5 <sup>th</sup> April 2017	<u>Supplement 25:</u> Report Reference: 3061507, dated 5 <sup>th</sup> April 2017. Description of the Change: Addition of the PS DC 60 W HF module.
26 <sup>th</sup> October 2017	<u>Supplement 26:</u> Report Reference: 3062015, dated 26 <sup>th</sup> October 2017. Description of the Change: Addition of the AQ 4xU/I ST module as a modification to existing AQ 4 module. Assembly document and model code update; correction to the intellectual design control of the equipment – the actual change is made to the entire certificate and the full document is issued to the holder.
10 <sup>th</sup> November 2017	<u>Supplement 27:</u> Report Reference: – 3063437 dated 10 <sup>th</sup> November 2017 Description of the Change: Addition of IM 155-5 PN ST module.
22 <sup>nd</sup> March 2018	<u>Supplement 28:</u> Report Reference: – PR449190 dated 22 <sup>nd</sup> March 2018 Description of the Change: Addition of Addition of 6ES7 511-1AK02-a, 6ES7 511-1CK01-a, 6ES7 511-1FK02-a, 6ES7 512-1CK01-a, 6ES7 513-1AL02-a, 6ES7 513-1FL02-a, 6ES7 518-4AX00-a, 6ES7 518-4FX00-a modules.
12 <sup>th</sup> February 2019	<u>Supplement 29:</u> Report Reference: – PR452681 dated 12 <sup>th</sup> February 2019 Description of the Change: Adding CPU 1517H-3 PN. Updating equipment list to remove redundant columns.
10 <sup>th</sup> March 2019	<u>Supplement 30:</u> Report Reference: – RR217970 dated 10 <sup>th</sup> March 2019 Description of the Change: Adding CPU 1513R-1PN & CPU 1515R-2PN.
2 <sup>nd</sup> May 2019	<u>Supplement 31:</u> Report Reference: – RR217969 dated 2 <sup>nd</sup> May 2019 Description of the Change: Nonincendive re-examination of all modules. Created separate section for modules still approved to old edition of the standard.

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