



Member of the FM Global Group

FM Approvals
1151 Boston Providence Turnpike
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

SIMATIC S7-1500 System & ET 200MP Modules

NI / I / 2 / ABCD / T*

NI / I / 2 / IIC / T**

Model No.	Description	T-Code*	T-Code**	Tambient
6ES7 155-5AA00-aaBa	IM 155-5 PN, Interface Module	T4	T4	60 °C
6ES7 155-5AA00-aaCa	IM 155-5 PN HF CU	T4	T4	60 °C
6ES7 155-5BA00-a	IM 155-5 DP CU	T4	T4	60 °C
6ES7 505-0KA00-a	Power Supply, DC 25W	T4	T4	60 °C
6ES7 505-0RA00-a	Power Supply, DC 60W	T4	T4	60 °C
6ES7 507-0RA00-a	Power Supply, AC 60W	T4	T4	60 °C
6ES7 511-1AK00-a	CPU 1511-1PN	T4	T4	60 °C
6ES7 511-1AK01-a	CPU 1511-1PN	T4	T4	60 °C
6ES7 511-1CK00-a	CPU1511C	T4	T4	60 °C
6ES7 511-1FK00-a	CPU 1511F-1PN	T4	T4	60 °C
6ES7 511-1FK01-a	CPU 1511F-1PN	T4	T4	60 °C
6ES7 512-1CK00-a	CPU1512C	T4	T4	60 °C
6ES7 513-1AL00-a	CPU 1513-1PN	T4	T4	60 °C
6ES7 513-1AL01-a	CPU 1513-1PN	T4	T4	60 °C
6ES7 513-1FL00-a	CPU 1513F-1PN	T4	T4	60 °C
6ES7 513-1FL01-a	CPU 1513F-1PN	T4	T4	60 °C
6ES7 515-2AM00-a	CPU 1515-2PN	T4	T4	60 °C
6ES7 515-2AM01-a	CPU 1515-2PN	T4	T4	60 °C
6ES7 515-2FM00-a	CPU 1515F-2PN	T4	T4	60 °C
6ES7 515-2FM01-a	CPU 1515F-2PN	T4	T4	60 °C
6ES7 516-3AN00-a	CPU 1516-3PN/DP	T4	T4	60 °C
6ES7 516-3AN01-a	CPU 1516-3PN/DP	T4	T4	60 °C
6ES7 516-3FN00-a	CPU 1516F-3PN/DP	T4	T4	60 °C
6ES7 516-3FN01-a	CPU 1516F-3PN/DP	T4	T4	60 °C
6ES7 517-3AP00-a	CPU 1517-3PN/DP	T4	T4	60 °C

Model No.	Description	T-Code*	T-Code**	Tambient
6ES7 517-3FP00-a	CPU 1517F-3PN/DP	T4	T4	60 °C
6ES7 518-4AP00-a	CPU 1518-4PN/DP	T4	T4	60 °C
6ES7 518-4FP00-a	CPU 1518F-4PN/DP	T4	T4	60 °C
6ES7 521-1BH00-a	16 DI, DC24V Digital Input Module	T4	T4	60 °C
6ES7 521-1BH10-a	DI 16x24Vdc BA	T4	T4	60 °C
6ES7 521-1BH50-a	DI 16x24Vdc SRC BA	T4	T4	60 °C
6ES7 521-1BL00-a	32 DI, DC24V Digital Input Module	T4	T4	60 °C
6ES7 521-1BL10-a	DI 32x24Vdc BA	T4	T4	60 °C
6ES7 521-1FH00-a	DI 16x230Vac_BA	T4	T4	60 °C
6ES7 521-7EH00-a	DI 16x24-125VUC HF	T4	T4	60 °C
6ES7 522-1BF00-a	DQ 8x24Vdc_2A HF	T4	T4	60 °C
6ES7 522-1BH00-a	16 DQ, DC24V/0.5A Digital Output Module	T4	T4	60 °C
6ES7 522-1BH01-a	DQ 16x24VDC/0,5A HF	T4	T4	60 °C
6ES7 522-1BH10-a	DQ 16x24Vdc/0.5A BA	T4	T4	60 °C
6ES7 522-1BL00-a	32 DQ, DC24V/0.5A Digital Output Module	T4	T4	60 °C
6ES7 522-1BL01-a	DQ 32x24VDC/0.5A HF	T4	T4	60 °C
6ES7 522-1BL10-a	DQ 32x24Vdc/0.5A BA	T4	T4	60 °C
6ES7 522-5EH00-a	DQ 16x24-...48VUC/125VDC 2A HF	T4	T4	60 °C
6ES7 522-5FF00-a	DQ 8x230Vac_2A ST	T4	T4	60 °C
6ES7 522-5HF00-a	8 DQ, Rel. AC 230V / 5A ST	T4	T4	60 °C
6ES7 522-5FH00-a	16 DQ, 230V AC / 1A ST (Triac)	T4	T4	60 °C
6ES7 522-5HH00-a	16 DQ, 230V AC / 2A ST (Relay)	T4	T4	60 °C
6ES7 523-1BL00-a	DI 16x24Vdc / DQ 16x24Vdc/0.5A BA	T4	T4	60 °C
6ES7 526-1BH00-a	F-DI 16 x 24Vdc	T4	T4	60 °C
6ES7 526-2BF00-a	F-DQ 16 x 24Vdc / 2A PPM	T4	T4	60 °C
6ES7 531-7KF00-a	8 AI, Analog Input Module	T4	T4	60 °C
6ES7 531-7NF00-a	AI 8XU/I HF	T4	T4	60 °C
6ES7 531-7NF10-a	AI 8xUI HS	T4	T4	60 °C
6ES7 531-7PF00-a	AI 8xR/RTD/TC HF	T4	T4	60 °C
6ES7 531-7QD00-a	AI 4xU/I/RTD/TC ST	T4	T4	60 °C
6ES7 532-5HD00-a	4 AQ, Analog Output Module	T4	T4	60 °C
6ES7 532-5HF00-a	AQ 8xUI HS	T4	T4	60 °C
6ES7 532-5NB00-a	AQ 2xU/I, ST, 16Bit, 0.3%	T4	T4	60 °C
6ES7 532-5ND00-a	AQ 4XU/I HF	T4	T4	60 °C
6ES7 534-7QE00-a	AI/AQ 4xU/I/RTD/TC; 2xU,I ST	T4	T4	60 °C
6ES7 540-1AB00-a	CM RS422/485 BA	T4	T4	60 °C
6ES7 540-1AD00-a	CM RS232 BA	T4	T4	60 °C
6ES7 541-1AB00-a	CM RS422/485HF	T4	T4	60 °C
6ES7 541-1AD00-a	CM RS232 HF	T4	T4	60 °C
6ES7 550-1AA00-a	TM Count 2x 24V	T4	T4	60 °C
6ES7 551-1AB00-a	TM PosInput 2	T4	T4	60 °C
6ES7 552-1AA00-a	TM Timer DI/ DQ 16x24V	T4	T4	60 °C
6ES7 592-1AM00-a	40-Pin Front Connector	T4	T4	60 °C
6ES7 592-1BM00-aaAa	Front Connector "Push In" 40 Pin, 15.4mm	T4	T4	60 °C
6ES7 592-1BM00-aaBa	Front Connector "Push In" 40 Pin, 25.4mm	T4	T4	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

Special 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.*

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



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Equipment Ratings:

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

FM Approved for:

Siemens AG – DF FA AS SIMATIC Type Test
Amberg, Germany



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3611	2004
Class 3810	2005

Original Project ID: 3046088

Approval Granted: June 11, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3047313	October 1, 2012	3057253	February 21, 2016
3045478	November 21, 2012	3058494	April 5, 2016
3047648	December 4, 2012		
3047787	December 20, 2012		
3047594	February 20, 2013		
130528	July 18, 2013		
3050328	September 27, 2013		
3051069	November 26, 2013		
3051069-1	January 7, 2014		
3051765	March 25, 2014		
3052051	April 25, 2014		
140911	November 6, 2014		
3053237	February 12, 2015		
3054081	April 10, 2015		
3054081-1	May 14, 2015		
3054988	May 18, 2015		
RR201127	June 9, 2015		
3056340	October 25, 2015		
3056852	December 16, 2015		

FM Approvals LLC

J.E. Marquedant
Manager of Electrical Systems

5 April 2016

Date



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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

SIMATIC S7-1500 System & ET 200MP Modules
NI / I / 2 / ABCD / T*

Model No.	Description	T-Code*	Tambient
6ES7 155-5AA00-aaBa	IM 155-5 PN, Interface Module	T4	60 °C
6ES7 155-5AA00-aaCa	IM 155-5 PN HF CU	T4	60 °C
6ES7 155-5BA00-a	IM 155-5 DP CU	T4	60 °C
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6ES7 505-0RA00-a	Power Supply, DC 60W	T4	60 °C
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6ES7 517-3AP00-a	CPU 1517-3PN/DP	T4	60 °C
6ES7 517-3FP00-a	CPU 1517F-3PN/DP	T4	60 °C

Model No.	Description	T-Code*	Tambient
6ES7 518-4AP00-a	CPU 1518-4PN/DP	T4	60 °C
6ES7 518-4FP00-a	CPU 1518F-4PN/DP	T4	60 °C
6ES7 521-1BH00-a	16 DI, DC24V Digital Input Module	T4	60 °C
6ES7 521-1BH10-a	DI 16x24Vdc BA	T4	60 °C
6ES7 521-1BH50-a	DI 16x24Vdc SRC BA	T4	60 °C
6ES7 521-1BL00-a	32 DI, DC24V Digital Input Module	T4	60 °C
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6ES7 521-7EH00-a	DI 16x24-125VUC HF	T4	60 °C
6ES7 522-1BF00-a	DQ 8x24Vdc_2A HF	T4	60 °C
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6ES7 522-1BH01-a	DQ 16x24VDC/0,5A HF	T4	60 °C
6ES7 522-1BH10-a	DQ 16x24Vdc/0.5A BA	T4	60 °C
6ES7 522-1BL00-a	32 DQ, DC24V/0.5A Digital Output Module	T4	60 °C
6ES7 522-1BL01-a	DQ 32x24VDC/0.5A HF	T4	60 °C
6ES7 522-1BL10-a	DQ 32x24Vdc/0.5A BA	T4	60 °C
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6ES7 526-1BH00-a	F-DI 16 x 24Vdc	T4	60 °C
6ES7 526-2BF00-a	F-DQ 16 x 24Vdc / 2A PPM	T4	60 °C
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6ES7 531-7QD00-a	AI 4xU/I/RTD/TC ST	T4	60 °C
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6ES7 532-5HF00-a	AQ 8xUI HS	T4	60 °C
6ES7 532-5NB00-a	AQ 2xU/I, ST, 16Bit, 0.3%	T4	60 °C
6ES7 532-5ND00-a	AQ 4XU/I HF	T4	60 °C
6ES7 534-7QE00-a	AI/AQ 4xU/I/RTD/TC; 2xU,I ST	T4	60 °C
6ES7 540-1AB00-a	CM RS422/485 BA	T4	60 °C
6ES7 540-1AD00-a	CM RS232 BA	T4	60 °C
6ES7 541-1AB00-a	CM RS422/485HF	T4	60 °C
6ES7 541-1AD00-a	CM RS232 HF	T4	60 °C
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6ES7 551-1AB00-a	TM PosInput 2	T4	60 °C
6ES7 552-1AA00-a	TM Timer DI/ DQ 16x24V	T4	60 °C
6ES7 592-1AM00-a	40-Pin Front Connector	T4	60 °C
6ES7 592-1BM00-aaAa	Front Connector "Push In" 40 Pin, 15.4mm	T4	60 °C
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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.

Equipment Ratings:

Nonincendive for use in Class I, Division 2, Groups A, B, C & D indoor Hazardous (Classified) Locations

FM Approved for:

Siemens AG – DF FA AS SIMATIC Type Test
Amberg, Germany



Member of the FM Global Group

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA C22.2 No. 213 R2013
CSA C22.2 No. 1010-1 2004

Original Project ID: 3046088C

Approval Granted: June 11, 2012

Subsequent Revision Reports / Date Approval Amended

Table with 4 columns: Report Number, Date, Report Number, Date. Lists various report numbers and dates from 2012 to 2016.

FM Approvals LLC

Handwritten signature of J.E. Marquedant

J.E. Marquedant
Manager of Electrical Systems

5 April 2016

Date