Accredited Laboratory

A2LA has accredited

SIEMENS INDUSTRY INC.

Tucker, GA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 24th day of May 2021.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3709.01
Valid to March 31, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SIEMENS INDUSTRY INC.
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ELECTRICAL

Valid To: March 31, 2025 Certificate Number: 3709.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following high-power testing on Low Voltage Circuit Protection, Distribution and Controls Devices: Molded Case Circuit Breakers, Load Break Switches, Air Circuit Breakers, Panel Boards, Industrial Control Equipment, Enclosures for Electrical Equipment: Environmental Considerations:

Test Technology:	**Test Method(s) [1]:**
Thermal Tripping Verification	UL 489; CSA C22.2 NO. 5-13; NMX-J-266-ANCE; IEC 60898; IEC 60947-1, -2, -3; NMX-J-515-ANCE
Magnetic Tripping Verification *(20 kA)*	UL 489; CSA C22.2 NO. 5-13; NMX-J-266-ANCE; IEC 60898; IEC 60947-1, -2, -3; NMX-J-515-ANCE
Overload	IEC 60947-1, -2, -3; UL 508; UL 98; CAN/CSA-C22.2 NO. 4-04; NMX-J-162-ANCE; UL 489; CSA C22.2 NO. 5-13; NMX-J-266-ANCE; UL 977; UL 1008; CSA C22.2 NO. 178.1-12; NMX-J-672 ANCE; UL 1699; NMX-J-515-ANCE
AC Temperature Rise *(6,000 A)*	IEC 60947-1, -2, -3; IEC 60898; IEC 60439-1, -2; UL 508; UL 891; UL 67; CSA C22.2 NO. 29-11; UL 98; CAN/CSA-C22.2 NO. 4-04; NMX-J-162-ANCE; CSA C22.2 NO. 27-09; NMX-J-148-ANCE; UL 857; UL 414; UL 489; CSA C22.2 NO. 5-13; NMX-J-266-ANCE; UL 977; UL 1008; CSA C22.2 NO. 178.1-12; NMX-J-672 ANCE; NMX-J-515-ANCE; UL 845; CSA C22.2 NO. 254-05; NMX-J-353-ANCE
Endurance	IEC 60947-1, -2, -3; IEC 60898; IEC 60439-1, -2; UL 508; UL 98; CAN/CSA-C22.2 NO. 4-04; NMX-J-162-ANCE; UL 489; CSA C22.2 NO. 5-13; NMX-J-266-ANCE; UL 977; UL 1008; CSA C22.2 NO. 178.1-12; NMX-J-672 ANCE; UL 1699; NMX-J-515-ANCE; ANSI IEEE C37.50

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Test Technology:	**Test Method(s) [1]:**
AC Short Circuit *(600 V @ 100 kA)* DC Short Circuit *(600 V @ 30 kA)*	IEC 60947-1, -2, -3; IEC 60898; UL 508; UL 891; UL 67; CSA C22.2 NO. 29-11; UL 98; CAN/CSA-C22.2 NO. 4-04; NMX-J-162-ANCE; UL 489; CSA C22.2 NO. 5-13; NMX-J-266-ANCE; UL 857; CSA C22.2 NO. 27-09; NMX-J-148-ANCE; UL 414; UL 977; UL 1008; CSA C22.2 NO. 178.1-12; NMX-J-672 ANCE; UL 1699; NMX-J-515-ANCE
Dielectric Strength *(5,000 VAC)*	IEC 60947-1, -2, -3; IEC 60898; IEC 60439-1, -2; UL 508; UL 891; UL 67; CSA C22.2 NO. 29-11; UL 98; CAN/CSA-C22.2 NO. 4-04; NMX-J-162-ANCE; UL 857; CSA C22.2 NO. 27-09; NMX-J-148-ANCE; UL 414; UL 489; CSA C22.2 NO. 5-13; NMX-J-266-ANCE; UL 977; UL 1008; CSA C22.2 NO. 178.1-12; NMX-J-672 ANCE; UL 1699; ANSI IEEE C37.50; NMX-J-515-ANCE; UL 845; CSA C22.2 NO. 254-05; NMX-J-353-ANCE
Leakage Current	IEC 60947-1, -2, -3
Wire Connectors	UL 486A/B; CSA-C22.2 No 65
Arc Fault	UL 1699; UL 943
Strength of Actuator *(up to 100 lbs. or 440 Newtons)*	EC 60947-1, -2, -3; IEC 60898
Security Tests for Circuit Breakers (Chapter 6)	NMX-J-515-ANCE
Temperature Cycling *(-60 to 177) ºC, up to 98% RH*	IEC 60947-2 section Annex F, F8.1; IEC 60068-2-30; Siemens 736.3.201 rev F*
Salt Fog Chamber	ATSM B117; Siemens 736.3.202 rev H*
Rain Test	UL 50E; CSA C22.2 NO. 94.2
High Velocity Hose-down	UL 50E; CSA C22.2 NO. 94.2

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

*Methods are developed and verified in-house.