





# Agency Certifications for Series 3<sup>++</sup> Controllers


This document identifies the current agency certifications for the Series 3<sup>++</sup> Controllers and related components. Series 3<sup>++</sup> Controllers have been determined to be compliant with the following hazardous area, environmental, and EMC standards.


	<b>Hazardous Area</b> Class I, Division 2, Groups A,B,C,D and T3C
Compliant Standard	Certification Level
CAN/CSA 22.2 No. 0-M91 (R2001)	General Requirements - Canadian Electrical Code, Part II
CSA Std C22.2 No.142-M1987	Process Control Equipment
CSA Std C22.2 No.213-M1987	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
ANSI/UL Standard 508	Electrical Industrial Control Equipment
ANSI/ISA Standard 12.12.01	Non-Incendive Electrical Equipment for Use in Class I, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations

All installations in Canada are compliant with CSA safety standards and will display the CSA and CE logos on the product label. Installations not requiring the CSA logo will only display the CE logo.


	<b>Environmental</b> Industrial Process Measurement and Control
Compliant Standard	Certification Level
IEC 60654-1 (2003) (IEC 654, Part 1)	Operating Conditions for Industrial Process Measurement and Control Equipment, Part 1: Temperature, Humidity, and Barometric Pressure
IEC 60654-2 (2001) (IEC 654, Part 2)	Operating Conditions for Industrial Process Measurement and Control Equipment, Part 2: Power
MIL-PRF-28800F (1996)(Class 3 and 4)	Equipment for use with Electrical and Electronic Equipment, General Specifications for Navy Ship Systems – Vibration

Technical Note

	<p><b>Electromagnetic Capability (EMC)</b>                  European Union: 73/23/EEC Low Voltage Directive and                  89/336/EEC Electromagnetic Compatibility Directive</p>
<p>Compliant Standard</p>	<p>Certification Level</p>
<p>EN 61010-1                  IEC 1010-1 (2005)                  (Low-Voltage Directive)</p>	<p>Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory use – General Requirements</p>
<p>IEC 61326 A3:2003</p>	<p>Electrical Equipment For Measurement, Control, and Laboratory Use -- EMC Requirements.</p>
<p>BS EN 55011 A2:2002                  (CISPR 11 (2004))                  (FCC part 15 subpart B)</p>	<p>Industrial, scientific and medical (ISM) radio-frequency equipment emissions – Electromagnetic disturbance characteristics – Limits &amp; methods of measurement</p>
<p>IEC 61000-4-2 (2001)</p>	<p>Electromagnetic Compatibility (EMC), Part 4: Testing &amp; Measurement Techniques Section 2: Electrostatic Discharge Immunity Tests</p>
<p>IEC 61000-4-3 (2002)</p>	<p>Electromagnetic Compatibility (EMC), Part 4-3: Testing &amp; Measurement Techniques - Radiated, Radio-Frequency, Electromagnetic Field Immunity Test</p>
<p>IEC 61000-4-4 (2001)</p>	<p>Electromagnetic Compatibility (EMC), Part 4: Testing &amp; Measurement Techniques Section 4: Electrical Fast Transient/Burst Immunity Test</p>
<p>IEC 61000-4-5 (2005)</p>	<p>Electromagnetic Compatibility (EMC), Part 4: Testing &amp; Measurement Techniques Section 5: Surge Immunity Test</p>
<p>IEC 61000-4-6 (2004)</p>	<p>Electromagnetic Compatibility (EMC), Part 4: Testing &amp; Measurement Techniques Section 6: Immunity to conducted disturbances, induced by radio-frequency fields</p>
<p>IEC 61000-4-8 (2004)</p>	<p>Electromagnetic Compatibility (EMC), Part 4: Testing and Measurement Techniques Section 8: Power frequency magnetic field immunity test</p>
<p>IEC 61000-4-11 (2004)</p>	<p>Electromagnetic Compatibility (EMC), Part 4: Testing &amp; Measurement Techniques Section 11: Voltage dips, short interruptions, &amp; voltage variations immunity tests</p>

	<p><b>Environmental Conditions for Process Measurement and Control System: Airborne Containments -- Severity Class G3</b></p>
<p>Compliant Standard</p>	<p>Certification Level</p>
<p>Conformal Coating</p>	<p>Meets or exceeds ISA-S71.04 1985, Severity Class G3, G2, G1 Environments.</p>

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	<p>Regional Certifications for S3<sup>++</sup> Controllers</p>
<p>Compliant Standard</p>	<p>Description</p>
<p>Pattern Approval (Metrology) Certification (2014)</p>	<p><i>The order of testing and approval of the types of patterns of measuring instruments is approved by the decision of Gosstandart of the Russian Federation. It establishes the general requirements to the organization work on tests and the approval of measuring instruments types. This order of testing and approval is applied to the measurement patterns, including the measuring systems (complexes), which are used in the sphere of distribution of the state metrological control and supervision.</i></p>
<p>Declaration of Conformity (CU TR) (2014)</p>	<p><i>The Declaration of Conformity of the Customs Union Technical Requirements (CU TR) confirms the safety requirements and electromagnetic compatibility and allows exporters and producers to spread their goods on the territory of the Customs Union. NOTE: "CT RU" is replacing both "Declaration of Conformity (GOST)" and "Permit to Use from Rostekhnadzor" moving forward.</i></p>

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