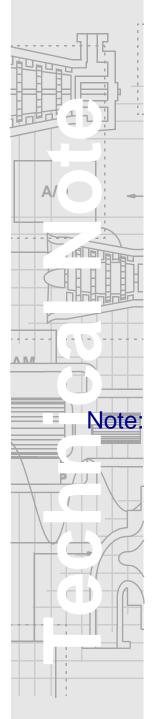


Agency Certifications for Series 3⁺⁺ Controllers



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

	Hazardous Area 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	
CSAStd 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 Hazard- ous (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.

IEC	Environmental 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 Equip- ment, General Specifications for Navy Ship Systems – Vibration

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

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

C ERC	Regional Certifications for S3 ⁺⁺ Controllers
Compliant Standard	Description
Pattern Approval (Metrology) Certification (2014)	The order of testing and approvement of the types of patterns of measuring instruments is approved by the decision of Gosstantart of the Russian Foundation. It establishes the general requirements to the organization work on tests and the approvement of measuring instruments types. This order of testing and approvement 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.
Declaration of Conformity (CU TR) (2014)	The Declaration of Conformity of the Customs Union Technical Requirements (CU TR) confirms the safety requirements and elec- tromagnetic 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.

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