



Certificate of Compliance

Certificate: 1232220 (LR 90062-14)

Master Contract: 155426

Project: 2495736

Date Issued: March 5, 2012

Issued to: Emerson Process Management Valve

Automation, Inc.
2500 Park Ave W
Mansfield, OH 44906
USA
Attention: Robert Perry

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Dorel Stefan

Issued by: Dorel Stefan

PRODUCTS

CLASS 3218 86 - INDUSTRIAL CONTROL EQUIPMENT-Miscellaneous Apparatus - For Hazardous Locations-Certified to U.S. Standards

CLASS 3218 06 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus - For Hazardous Locations

CLASS I, Groups C and D; CLASS II Groups E, F and G; Temp. Code T3C:

TorqPlus Electric Valve Actuator series EM-300, EM-310, EM-320, EM-500, EM-510, EM-520, EM-810, EM-820, EM-830, EM-840, EM-SR5-10, EM-SR5-15, EM-SR5-30, and EM-SR5-90, Enclosure rated Type 4X

Notes:

- Standard models are considered as General purpose type with 6,000 operations, when the Servo Motor Controller is used models are considered as Modular purpose type with 100,000 operations.
- Model series EM-300, EM-310, EM-320, EM-500, EM-510, EM-520, SR5-10, SR5-15, SR5-30, and SR5-90 are suitable for use in ambient temperatures: -40°C to 60°C.



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- Model series EM-810, EM-820, EM-830 and EM-840 are suitable for use in ambient temperatures: -40°C to 43°C.

APPLICABLE REQUIREMENTS

CAN/CSA Standard C22.2 No. 0-M91	General Requirements – Canadian Electrical Code, Part II
CSA Std C22.2 No. 25-1966	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CSA Std C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA C22.2 No. 94-M91	Special Purpose Enclosures; Industrial Products
CSA Std C22.2 No. 139-1982	Electrically Operated Valves
UL Standard 429, 5th Ed.	Electrically Operated Valves
ANSI/UL Standard 1203, 4th Ed.	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

MARKINGS

The following markings are provided on an etched, or screen printed stainless steel nameplate, riveted or permanently screwed on the rear of the unit.

- Manufacturers name: "Emerson", or CSA Master Contract Number "155426", adjacent to the CSA Mark in lieu of manufacturers name.
- Model number: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- Enclosure ratings: "As specified in the products section above."
- The CSA Mark with "C" and "US" indicators, as shown on the Certificate of Conformity.
- Complete electrical ratings in volts, hertz, amps or watts
- Rated torque in in/lbs.
- Rated duty cycle.
- Ambient Temperature Range.
- Hazardous Location designation: As specified in the products section above. (may be abbreviated).
- Temperature code: "T3C".
- The following words:
 - "OPEN CIRCUIT BEFORE REMOVING COVER" or "KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE".
 - "SEAL REQUIRED WITHIN 18 INCHES".

The following cautions or equivalent shall be shown at or near the point where the field connections will be made:

- "USE SUPPLY WIRES SUITABLE FOR AT LEAST 90°C"

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the



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requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".