



Certificate of Compliance

Certificate: 2332992 (109156_0_000)

Master Contract: 163694

Project: 70105665

Date Issued: 2017-03-17

Issued to: Exlar Corporation
18400 West 77th St
Chanhassen, Minnesota 55317
USA

Attention: Larry Lunzer

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.



Issued by: Sorin Tat
Sorin Tat

PRODUCTS

CLASS - C322882 - VALVES-Actuators - For Hazardous Locations-Certified to U.S. Standards

CLASS - C322802 - VALVES-Actuators - For Hazardous Locations

- Tritex II T2X & T2M Series Linear Actuators and R2M & R2G Series Rotary Actuators, input rated 100-240Vac, 6.3A max (90mm versions) / 8.3A max (115mm versions), 50-60Hz. $-40^{\circ}\text{C} \leq \text{Ta} \leq +65^{\circ}\text{C}$.
- Tritex TDM & TDX Series Linear Actuators and RDM & RDG Series Rotary Actuators, input rated 12-24Vdc, 18.0A max., $-40^{\circ}\text{C} \leq \text{Ta} \leq +65^{\circ}\text{C}$.

Note: Derate input current linear above $\text{Ta} = 40\text{C}$ to 14.0Adc max. at 65C.

Conditions of Certifications - I/O terminals must be connected to Class 2 circuits when in use.

CLASS - C322882 - VALVES-Actuators - For Hazardous Locations-Certified to U.S. Standards

CLASS - C322802 - VALVES-Actuators - For Hazardous Locations

CSA Class I, Division 2, Group A, B, C and D

- Tritex II T2X & T2M Series Linear Actuators and R2M & R2G Series Rotary Actuators, input rated 100-240Vac, 6.3A max (90mm versions) / 8.3A max (115mm versions), 50-60Hz. Temperature Code T3 (200°C), $-40^{\circ}\text{C} \leq \text{Ta} \leq +65^{\circ}\text{C}$.



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- Tritex II TDM & TDX Series Linear Actuators and RDM & RDG Series Rotary Actuators, input rated 12-24Vdc, 18.0A max. Temperature Code T4 (135°C), $-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$.
Note: Derate input current linear above $T_a = 40\text{C}$ to 14.0Adc max. at 65C.

Conditions of Certifications

1. The actuators may include a holding brake. The thermal effects of the brake pad have not been evaluated and are to be considered by the authority having jurisdiction.
2. I/O terminals must be connected to Class 2 circuits when in use.

APPLICABLE REQUIREMENTS

| | |
|---|---|
| CSA C22.2 No 0 - 10 | - General Requirements - Canadian Electrical Code Part II |
| CSA C22.2 No 0.4 - 04 | - Bonding of Electrical Equipment |
| CSA Standard C22.2 No. 139-2013 | - Electrically Operated Valves |
| CSA C22.2 No 213 - M1987 | - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations |
| UL Standard 429 - 7 th Edition | - Electrically Operated Valves |
| ISA 12.12.01: 2007 | - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations |



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

| Project | Date | Description |
|----------------|-------------|--|
| 70105665 | 2017-03-17 | Update report 2332992 to CSA 139-13 and UL 427 7th Edition as per CSA Signal Sensing and Controls No.12 |
| 70045743 | 2015-11-18 | Update report 2332992 to include editorial changes and drawing updates that do not affect Certification test parameters. |
| 70019837 | 2015-03-27 | CONTINUATION OF PROJECT 2785888 at a cost of 5000 USD using existing Purchase Order or Down Payment |
| 70009820 | 2014-12-19 | Update to 2332992 to include Tritex Linear and Rotary Actuators |
| 2472487 | 2012-01-27 | Update to 2332992 to include new lower voltage models including 12-24, 48 and special voltage ranges. |
| 2332992 | 2011-03-23 | Evaluation of Tritex II Actuators as Class I, Div 2, Grps ABCD |