



Certificate of Compliance

Certificate: 2332992

Master Contract: 163694

Project: 2472487

Date Issued: January 27, 2012

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

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.



Jay McVeigh

Issued by: Jay McVeigh

PRODUCTS

CLASS 3221 02 - VALVES - Actuators

CLASS 3221 82 - VALVES - Actuators - Certified to US Standards

CLASS 3221 02 - VALVES - Actuators

CLASS 3221 82 - VALVES - Actuators - Certified to US Standards

- 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. $-50^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$.

Tritex TDM & TDX Series Linear Actuators and RDM & RDG Series Rotary Actuators, input rated 12-24Vdc, 18.0A max., $-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$.

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

Conditions of Certification

1. I/O terminals must be connected to Class 2 circuits when in use.



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CLASS 3228 02 - VALVES - Actuators - For Hazardous Locations

CLASS 3228 82 - VALVES - Actuators - For Hazardous Locations - Certified to US Standards

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), $-50^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$.
- 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 14.0A dc 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.

Model Code Information:

T2M/Xxxx-xxxx-axx-xx-xbx-xx-230-xxx-(XX..XX-cccc)

a – connection method

N - conduit hazardous locations

X – non-hazardous locations

b – stator voltage rating

1 - 115 Vrms

3 - 230 Vrms

XX – special options designation that may or may not be present or multiples

cccc - special part number that may or may not be present

x or XX - denotes options not affecting safety



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R2M/Gxxx-xxx-xaxx-xx-xbx-xx-230-xxx-(XX..XX-cccc)

a – connection method

N - Conduit hazardous locations

X – non-hazardous locations

b – stator voltage rating

1 - 115 Vrms

3 - 230 Vrms

XX – special options designation that may or maynot be present or multiples

cccc - special part number that may or may not be present

x or XX – denotes options not affecting safety

TDM/X and RDM/G Model Code Information:

TDM/Xxxx-xxxx-axx-xx-xx8-xx-048-xxx-(XX..XX-bbbbb)

a – Connection method

N - conduit hazardous locations

X – non-hazardous locations

bbbb - Special part number that may or may not be present

XX – Special options designation that may or may not be present or multiples

x or XX - Denotes options not affecting safety



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x or X can be any alphanumeric character

RDM/G-xxx-xxx-xaxx-xx-xx8-xx-048-xxx-(XX..XX-bbbbb)

a – Connection method

N - Conduit hazardous locations

X – non-hazardous locations

bbbb - Special part number that may or may not be present

XX – Special options designation that may or may not be present or multiples

x or XX – Denotes options not affecting safety

x or X can be any alphanumeric character

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 C22.2 No 139 - 10 | - | Electrically Operated Valves |
| CSA C22.2 No 213 - M1987
Hazardous Locations | - | Non-Incendive Electrical Equipment for Use in Class I, Division 2 |
| UL 429 - 6th ed | - | Electrically Operated Valves |
| ISA 12.12.01: 2007
Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations | - | Nonincendive Electrical Equipment for Use in Class I and II, |