



Certificate of Compliance

Certificate: 70060591

Master Contract: 163694

Project: 80163757

Date Issued: 2023-11-17

Issued To: Exlar Corporation
18400 West 77th St
Chanhassen, Minnesota, 55317
United States

Attention: Robert Schulz

The products listed below are eligible to bear the CSA Mark shown

Issued by: Steven Simkevitz
Steven Simkevitz



PRODUCTS

CLASS - C322802 - VALVES Actuators - For Hazardous Locations

Class I, Div.1, Gr. C and D

Explosionproof Linear Actuator Model EXA090, Input rated 12-24 Vdc, 12A max., 1000 lbf. Output force, $-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$, T5; Type 4X;

Three inches travel distance with a speed of 1 inch/sec at 24Vdc and continuous duty.

Notes:

1. Actuator assemblies are intended for use as components in end-product stationary equipment the suitability of the combination is determined by CSA Group.
2. Input voltage comes from a class 2 circuit. The class 2 circuit is not a part of the scope of this project.
3. This product is not evaluated to be used as the safety valve actuator.
4. The instruction manual of the product shall indicate that a Certified input Fuse is to be installed by the end user.



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CLASS - C322802 - VALVES Actuators - For Hazardous Locations
CLASS - C322882 - VALVES Actuators - For Hazardous Locations-Certified to U.S. Standards

Class I, Division 2, Groups A, B, C and D; T5;

Nonincendive (Non Arcing/Non Sparking) Linear Actuator Model EVA080, Input rated 12-24 Vdc, 12A max., 1000 lbf. Output force, $-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$; T5
Three inches travel distance with a speed of 1 inch/sec at 24Vdc and continuous duty.

Notes:

1. Actuator assemblies are intended for use as components in end-product stationary equipment the suitability of the combination is determined by CSA Group.
2. This actuator assembly model EVA080 has not been evaluated for use in damp and wet locations.
3. Input voltage comes from a class 2 circuit. The class 2 circuit is not a part of the scope of this project.
4. This product is not evaluated to be used as the safety valve actuator.
5. The instruction manual of the product shall indicate that a Certified input Fuse is to be installed by the end user.
6. Model EVA080 has an external connector used for RS-485 communications to setup the equipment. It is not to be used during normal operations and is for initial configuration only. Do not connect or disconnect when the equipment is energized.

APPLICABLE REQUIREMENTS

Explosionproof Linear Actuator Model EXA090:

CSA C22.2 No 139 - 2019	-	Electrically Operated Valves
CSA C22.2 No. 30:20, Update No. 1 March 2023	-	Explosion-proof equipment
CAN/CSA-C22.2 No.94-M91(reaffirmed 2011)	-	Special Purpose Enclosures

Nonincendive (Non Arcing/Non Sparking) Linear Actuator Model EVA080:

CSA C22.2 No 139 - 2019	-	Electrically Operated Valves
CSA C22.2 No. 213-17, Reaffirmed 2022, Third Edition	-	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
UL 429, Seventh Edition, With Revisions March 19, 2021	-	Electrically Operated Valves
UL 121201, Ninth Edition, With Revisions April 1, 2021	-	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.



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- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed under class 3228-02, model EXA090 is eligible to bear the CSA Mark shown for Canada only. Refer to label drawing 69153.

The products listed under class 3228-02 and 3228-82, model EVA 080 is eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only. Refer to label drawing 84142.

Markings as follows appear on an aluminum nameplate using printing photo anodized aluminum technology, attached by 4 screws to the enclosure:

- Manufacturer's name: Exlar name, trademark, or the CSA file number (adjacent the CSA Mark).
- Date code / Serial number traceable to month and year of manufacture.
- Catalogue / Model designation:
- Complete electrical rating (amps and volts).
- Hazardous locations designation;
- Temperature Code;
- Ambient Temperature;
- The CSA Mark.

Note: applicable warnings are dependent on the specific model.

Model EXA090 (Explosionproof): "CAUTION – DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE IS PRESENT" and "ATTENTION – NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE"

Model EVA080 (Nonincendive (Non-arcing/Non-sparking)): "WARNING – EXPLOSION HAZARD. DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED" and "AVERTISSEMENT – RISQUE D'EXPLOSION. NE PAS BRANCHER NI DÉBRANCHER SOUS TENSION" as well as "WARNING: DO NOT OPEN WHEN AN EXPLOSION ATMOSPHERE MAY BE PRESENT", and "AVERTISSEMENT: NE PAS OUVRIR SI UNE ATMOSPHERE D'EXPLOSION PEUT ETRE PRESENTE"

- Maximum output force;
- "3/4" NPT Conduit Entries"
- "Conduit entries shall be sealed within 18 inches of the enclosure." (Model EXA090)
- "For Supply Connections, Use Wires Suitable for at least +90 °C (194 °F)

Additionally, items may appear on a Brady B486 metallized polyester adhesive film label manufactured by Brady Worldwide Inc. CSA accepted label and tested previously under project 1538184.

Notes:



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Products certified under Class C322802 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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
80163757	2023-11-17	<p>Project to update report 70060591 to evaluate: i) Changes to the ELT090 model with Class I, Division 1, Groups C and D construction consisting of model name change (ELT090 to EXA090), update to latest edition CSA C22.2 No. 30:20, evaluation of a new consolidated PCB board, new dowel - located outside of the flamepaths, removal of an optional metal plug, change to the thermal sensor for the motor and minor constructional changes.</p> <p>ii) Add a new model EVA080 for Class I, Division 2, Groups A, B, C and D for Canada and the United States. The EVA080 has a similar construction to the EXA090 and share a common PCB.</p> <p>iii) Removal of standard CSA C22.2 No. 0-10, General requirements - Canadian Electrical Code, Part II.</p> <p>iv) Removal of standard of standard CSA C22.2 No. 0.4-04, Bonding of Electrical Equipment.</p>
70113600	2017-01-10	Update the report to make correction to the class number on the CofC.
70060591	2016-06-30	Certification for CAN of ELT090 actuator for Class I Div.1 Gr.C and D, T5, Type 4X enclosure