



Certificate of Compliance

Certificate: 2166693

Master Contract: 163694

Project: 80285397

Date Issued: March 04, 2026

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

Attention: Robert Panning

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: Sarita Openshaw
Sarita Openshaw

PRODUCTS

CLASS 3228 02 - VALVES - Actuators - For Hazardous Locations

CLASS 3228 82 - VALVES – Actuators - For Hazardous Locations - To U.S. Requirements

Class I, Division 1, Group B,C,D

-Model EL 100 Linear Actuator, Rated:
24-120Vdc – 25A Max, 2420 W Max or
115-460 Vac, 50 / 60 Hz, 25A Max, 2420 W Max
T3C, Ta -29°C to +93°C.

EL100 Model Code information

EL100-06xx-axx-xxx-xbx-xx-cx-T3-xxxxx

a – Connections

T – Terminal Strip with 3/4" NPT housing access, Two Rows

S – Terminal Strips with 3/4" NPT housing access, Single Row

b - Voltage Rating

A = 24 VDC



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- B = 48 VDC
- C = 120 VDC
- 1 = 115 Volt RMS
- 3 = 230 Volt RMS
- 5 = 400 Volt RMS
- 6 = 460 Volt RMS
- X = Special Voltage Rating - Not to Exceed 460 Vrms

c – Optional Mechanical and Speed Designations

- RB = Rear Brake
- 01-99 = Speed (RPMx100)
- PF = Preloaded Follower
- AR = External Anti Rotate Assembly
- XT = Special Travel Options
- XL = Special Lubricant

x – denotes options not affecting safety

Class I, Division 1, Group B,C,D

-Model EL120 Linear Actuator and ER120 Rotary Actuator, Rated:
24Vdc, 48Vdc, 120Vdc, 115Vrms, 230Vrms, 400Vrms, 460Vrms (or a Special Voltage Rating not exceeding 460 Vrms) and 30Arms max. Temperature Code T4 (135°C), -29°C ≤ Ta ≤ +93°C, IP66, Enclosure Type 4

EL120 Model Code information:

EL120-aaxx-bxx-xxx-cde-ff-(gg-...-gg)-xxxxx

aa – Stroke length

18” maximum

b – Connection

- F - Two 3/4” NPT Ports: Front Facing as viewed from shaft end
- B - Two 3/4” NPT Ports: Back Facing as viewed from shaft end
- R - Two 3/4” NPT Ports: Right Facing as viewed from shaft end
- L - Two 3/4” NPT Ports: Left Facing as viewed from shaft end
- X – Special NPT Ports – up to 4 x 3/4” NPT or Smaller

c – Motor Stacks

- 1 – One stack of magnets
- 2 – Two stacks of magnets
- 3 – Three stacks of magnets

d – Voltage Rating

- A – 24Vdc
- B – 48Vdc
- C – 120Vdc
- 1 – 115Vrms
- 3 – 230Vrms
- 5 – 400Vrms
- 6 – 460Vrms



Certificate: 2166693
Project: 80285397

Master Contract: 163694
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- X – Special Not to Exceed 460Vrms
- e – Poles
 - 8 – 8 pole Motor
- ff – Motor Speed
 - 01-45 = Speed RPMx100
- gg – Optional Mechanical
 - XL – Special Lubrication
 - PF – Preloaded Follower
 - AR = Anti-Rotate Assembly
 - RB – Rear Brake
 - HW – Side Handwheel Drive
 - SD – Side Hex Drive
 - CD – Crank Drive
 - XT – Special Travel Option
 - Non-Standard Roller Count
 - Deep Groove Ball Bearings
 - Stainless Steel Main Rod
 - XH – Special Housing Option
 - Special Coating

“x” designation are options that do not affect safety

ER120 Model Code information:

ER120-xxx-xax-xxx-bcd-ee-(ff-...-ff)-xxxxx

a – Connection

- F - Two ¾” NPT Ports: Front Facing as viewed from shaft end
- B - Two ¾” NPT Ports: Back Facing as viewed from shaft end
- R - Two ¾” NPT Ports: Right Facing as viewed from shaft end
- L - Two ¾” NPT Ports: Left Facing as viewed from shaft end
- X – Special NPT Ports – up to 4 x ¾” NPT or Smaller

b – Motor Stacks

- 1 – One stack of magnets
- 2 – Two stacks of magnets
- 3 – Three stacks of magnets

c – Voltage Rating

- A – 24Vdc
- B – 48Vdc
- C – 120Vdc
- 1 – 115Vrms
- 3 – 230Vrms
- 5 – 400Vrms
- 6 – 460Vrms
- X – Special Not to Exceed 460Vrms

d – Poles

- 8 – 8 pole Motor



Certificate: 2166693
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Master Contract: 163694
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- ee – Motor Speed
 - 01-45 = Speed RPMx100
- ff – Optional Mechanical
 - XL – Special Lubrication
 - LB – Low Backlash Gears
 - HW – Side Handwheel Drive
 - SD – Side Hex Drive
 - CD – Crank Drive
 - XH – Special Housing Option
 - Special Coating

“x” designation are options that do not affect safety

Notes:

1. Supply wires to be rated 105°C or more
2. This report covers certification of the actuator only. The associated electronic controller(s) required for the use of the actuator are not covered in this report. The suitability of the controller-actuator combination is based upon acceptance of the authority having jurisdiction.
3. Maximum Ratings limited to 20 A max and 2420 W when using Allen Bradley 1492-LMJ3 terminals.

APPLICABLE REQUIREMENTS

CAN/CSA Standard C22.2 No. 0-10	General Requirements - Canadian Electrical Code, Part II
CSA Standard C22.2 No. 0.4-04	Bonding of Electrical Equipment
CSA Standard C22.2 No. 0.5-1982	Threaded Conduit Entries
CSA Standard C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA Standard C22.2 No. 139-2013	Electrically Operated Valves
CSA Standard C22.2 No. 145-11	Electric motors and generators for use in hazardous (classified) locations
UL Standard 429 - 7 th Edition	Electrically Operated Valves
UL 674 5th Ed	Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations
ANSI/UL Standard 1203 – 4 th Edition	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations



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MARKINGS

The manufacturer is required to apply the following markings:

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

Nameplate adhesive label material approval information:

Metal Nameplate, 0.5 mm thick, mechanically secured to enclosure using rivets, drive pins or welds.

Additionally, items may appear on the following:

Brady B486 metallized polyester adhesive film label manufactured by Brady Worldwide Inc.
Tested previously under project 1538184. For details, see label drawings.

- (1) Submitter's name, trademark, or the CSA file number (adjacent the CSA Mark).
- (2) Catalogue / Model designation.
- (3) Complete electrical rating (amps, hertz, and volts).
- (4) Date code / Serial number traceable to month and year of manufacture.
- (5) Hazardous Location designations.
- (6) Temperature code (T3C or T3) for 8 Linear Actuators or (T4) for EL120 Linear and ER120 Rotary Actuators.
- (7) Ambient temperature
- (8) Maximum output force (specified in the manual);
- (9) CSA Enclosure type, IP rating
- (10) The CSA, CSAus or cCSAus Mark.
- (11) The following cautions:
 - "CAUTION: KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE"
 - "Attention: Garder le couvercle fermé et étanche tant que les circuits sont sous tension."

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 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".



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Products certified under Class C322802, C322882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

