# 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-**a**xx-xxx-x**b**x-xx-**c**x-T3-xxxxx
a – Connections
T – Terminal Strip with ¾" NPT housing access, Two Rows
S – Terminal Strips with ¾" NPT housing access, Single Row

b - Voltage Rating
A = 24 VDC

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 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
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

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

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 - 7th Edition | Electrically Operated Valves |
| UL 674 5th Ed | Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations |
| ANSI/UL Standard 1203 – 4th Edition | Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in 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.
- 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) Submittor'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 Actuator 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