



Certificate of Compliance

Certificate: 2257566 (109156_0_000)

Master Contract: 163694

Project: 70105667

Date Issued: 2017-03-10

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

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

-GSX & GSM Series Linear Actuators and SLM & SLG Series Rotary Actuators, input rated 24Vdc, 48Vdc, 120Vdc, 115Vrms, 230Vrms, 400Vrms, 460Vrms (or a Special Voltage Rating not exceeding 460 Vrms) and 50A max.; Temperature Code T4 (135°C), $-50^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$ (see note 2).

Model Code Information:

GSX/GSMxx-xx xx-Txx-aaa-xbx-xx-(xx...NI..xx)

aaa – resolver feedback

b - Voltage Rating

A = 24Vdc

B = 48Vdc

C = 120Vdc

1 = 115Vrms



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3 = 230Vrms
5 = 400Vrms
6 = 460Vrms
X = Special Voltage Rating - Not to Exceed 460Vrms

c – Optional Mechanical and Speed Designations
HW = Hand-Wheel Switch
xx = denotes other options not affecting safety

x – denotes options not affecting safety

SLM/SLGxxx-xxx-xTxx-aaa-xbx-xx-(xx..c..NI.xx)

aaa – Resolver Feedback

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

c – Optional Mechanical and Speed Designations
HW = Hand-Wheel Switch
xx = denotes other options not affecting safety

x – denotes options not affecting safety

Conditions of Certifications

1. This Certification covers the actuator only. The end use suitability of the combination of the associated electronic controller and the actuator is to be determined by the local inspection authority having jurisdiction.
2. The actuators may include a hand-wheel switch (denoted by HW in Model Code). In such cases, the hand-wheel switch conduit must be sealed within 18 inches. When the handwheel option is included the maximum ambient temperature rating is $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$.
3. 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.

APPLICABLE REQUIREMENTS

CAN/CSA Standard C22.2 No. 0-10
(Tenth Edition – September 2010)

- General Requirements - Canadian Electrical Code, Part II



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CSA Standard C22.2 No. 0.4-04
(October 2008 including updates No. 1 & 2)
CSA Standard C22.2 No. 139-2013
CSA Standard C22.2 No. 213-M1987
(Reaffirmed 2008)
UL Standard 429 - 7th Edition
ANSI/ISA-12.12.01-2007

- Bonding of Electrical Equipment
- Electrically Operated Valves
- Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
- Electrically Operated Valves
- Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Division 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
70105667	2017-03-10	To update the 2257566 report to CSA 139-13 and UL 427 7th Edition as per CSA Signal Sensing and Controls No.12.
2631418	2013-06-19	Update of Report 2257566 to include minor alterations to the models within said report.
2530873	2012-08-09	Update to report 2399789 to include revised controlled drawings as per "project Instructions" and add alternate Resolvers and Holding Brakes.
2399789	2011-02-18	Update to Report 2293203 to cover error corrections, drawing updates and substitution of potting material.
2293203	2010-04-01	Update to report 2257566 to correct model mask information.
2257566	2010-02-12	Evaluation of GSX/GSM and SLM/SLG for hazardous locations