



Certificate of Compliance

Certificate: 2257566

Master Contract: 163694

Project: 2293203

Date Issued: 2010/04/01

Issued to: Exlar Corporation

1470 Lake Dr W
Chanhassen, MN 55317
USA
Attention: Bill Zerull

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.



Rob Kohuch, P.Eng.

Issued by: Rob Kohuch, P.Eng.

PRODUCTS

CLASS 3228 02 - VALVES - Actuators - For Hazardous Locations

CLASS 3228 82 - VALVES - Actuators - For Hazardous Locations-Certified to U.S. Standard

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), 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..c..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..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

x – denotes options not affecting safety

Conditions of Certification

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.



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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

CSA C22.2 No 0 - M1991 - General Requirements - Canadian Electrical Code Part II

CSA C22.2 No 0.4 - 04 - Bonding of Electrical Equipment

CSA C22.2 No 139 - M1982 - Electrically Operated Valves

CSA C22.2 No 213 - M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

UL 429 - 2004 - Electrically Operated Valves

ISA 12.12.01: 2007 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations