



# Certificate of Compliance

**Certificate:** 80166998

**Master Contract:** 303413

**Project:** 80166998

**Date Issued:** 2025-10-09

**Issued To:** Salina Vortex Corporation  
1725 Vortex Avenue  
Salina, Kansas, 67401  
United States

**Attention:** Cory Downing

*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:** Davinder Pal Singh  
Davinder Pal Singh



## **PRODUCTS**

CLASS - C225802 - PROCESS CONTROL EQUIPMENT For Hazardous Locations

CLASS - C225882 - PROCESS CONTROL EQUIPMENT For Hazardous Locations - Certified to US Standards

**Class II, Division 1, Groups E, F, G T145°C**

**Zone 21 AEx tb IIIC Db T145°C**

**Ex tb IIIC Db T145°C**

Motor Operated permanently connected Valve Actuators for Industrial and Process Control Applications, Model HMA009, followed by alphanumeric suffix characters, rated 115 Vac, single phase, 50/60 Hz, 3.05 A or 230 Vac, single phase, 50/60 Hz, 1.32 A.



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**Rated:**

Equipment Class I, Pollution Degree 4, Overvoltage Category II  
 $-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$ , Enclosure Type 4, IP65  
 Duty Cycle: 15s ON & 45s OFF.

HMA009 Series Actuators, Series HMA009 – SS – CC – V – M – F

**Where:**

A = Drive Type

(A – Acme)

009 = Power

(009 – 0.09 kW (1/8 HP))

SS = Stroke

(06 – 6 inch, 12 – 12 inch, 18 – 18 inch, 24 – 24 inch, 30 – 30 inch, 36 – 36 inch)

CC = Velocity

(02 – 0.25 in/sec, 04 – 0.4 in/sec, 08 – 0.8 in/sec, 20 – 2.0 in/sec)

V = Voltage

Suffix	Voltage	Frequency (Hz)	Current (FL)
A	115 – 1 Phase	50/60	3.05 A
B	230 – 1 Phase	50/60	1.32 A

M = Mounting

Suffix	Mounting
C	Clevis
F	Face
T	Adjustable trunnion

F = Feedback Option

Suffix	Mounting
P	Potentiometer
S	Intermediate Switch
PC	Position Controller

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018, UPD3:2023	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1
CSA C22.2 No. 61010-2-202:2021	Particular requirements for electrically operated valve actuators






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UL 61010-1:2023 <i>Third Edition</i>	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1
UL 61010-2-202:2024 <i>First Edition</i>	Particular requirements for electrically operated valve actuators
CSA C22.2 No. 25:17	Enclosure for use in Class II, Division 1, Groups E, F, and G hazardous locations
CSA C22.2 No. 94.2:20	Enclosures for electrical equipment, environmental considerations
CSA C22.2 No. 60079-0:19	Explosive atmospheres – Part 0: Equipment – General requirements
CAN/CSA C22.2 No. 60079-31:15	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure “t”
ANSI/UL 50E <i>Third Edition</i>	Enclosures for electrical equipment, environmental considerations
ANSI/UL 60079-0-2020 <i>Seventh Edition</i>	Explosive Atmospheres – Part 0: Equipment – General Requirements
ANSI/UL 60079-31-2015 <i>Second Edition</i>	Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”
FM 3600:2022	Examination Standard for Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements
FM 3616:2022	Examination Standard for Electrical Equipment for Dust-Ignitionproof Electrical Equipment – General Requirements

### **MARKINGS**

- Manufacturer’s name, “Salina Vortex Corp” or Registered Trademark “Hamar Automation” or CSA Master Contract Number “303413”, adjacent to the CSA Mark in lieu of manufacturer’s name.
- Model designation as specified in the product section above.
- Electrical ratings include rated voltage, frequency in cycles per second, duty cycle, rated input in watts and horsepower as specified in the product section above.
- Ambient temperature rating,  $-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$ .
- Enclosure rating as “Enclosure Type 4”.
- Manufacturing date or serial number, traceable to year and month of manufacturing
- CSA Mark with “C” and “US” indicators, as shown on the Certificate of Conformity.
- The designation “CSA25CA80166998”
- Hazardous location designation, Class II Division 1 Groups E, F, & G T145°C.
- Method of Protection marking (Ex – markings), as specified in the product section above.
- Temperature Code “T145°C”.
- The manufacturing location shall be identified if the equipment can be produced in more than one facility.
- The designation “GND” shall be permanently marked adjacent to the equipment ground terminal.
- ISO 60417, symbol 5019  shall be permanently marked adjacent to the equipment ground (protective conductor) terminal.

- ISO 7000-0434A, symbol  On the nameplate to consult the manual for relevant safety instructions.
- IEC 60417 No 5041, symbol  On the motor housing.
- The warning "WARNING: DISCONNECT SUPPLY BEFORE SERVICING" and "AVERTISSEMENT: COUPER L'ALIMENTATION AVANT L'ENTRETIEN ET LE DÉPANNAGE";
- Identification that the actuator is a device for industrial process or discrete control environment  
Applications: "INDSUTRIAL CONTROL EQUIPMENT".
- Neutral terminal marked "L2/N".
- Warning in both English and French languages. "WARNING: TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES, DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT. KEEP ASSEMBLY TIGHTLY CLOSED WHEN IN OPERATION".  
ATTENTION! POUR REDUIRE LE RISQUE D'INFLAMMATION DES ATMOSPHERES DANGEREUSES, NE PAS OUVRIR LORSQU'UNE ATMOSPHERE EXPLOSIVE EST PRESENTE. MAINTENEZ L'ASSEMBLAGE BIEN FERME LORS DE L'UTILIZATION.

Notes:

Products certified under Class(es) C225802, C225882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80166998	2025-10-09 2025-10-09	Original cCSAus certification of Class II, Division 1 dust ignitionproof or Zone 21 dust protection by enclosure “tb” protected HMA009 Series Actuators.