



Certificate of Compliance

Certificate: 1877564 **Master Contract:** 238307
Project: 80137806 **Date Issued:** 10/12/2022
Issued to: Auma Riester GmbH & Co. KG
Aumastrasse 1
Muellheim, Baden-Württemberg 79379
Germany
Attention: Michael Noll

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: Mahdiah Taghizadeh
Mahdiah Taghizadeh

PRODUCTS

C322102 VALVES - General purpose Actuators
C322182 VALVES - Actuators - Certified to US Standards

Part A:

SA##### and SAR##### Generation 1 Series Multi-turn Electrical Motor Operated Valve Actuators (SA where ##### may be 07.1, 07.5, 10.1, 14.1, 14.5, 16.1, 25.1, 30.1, 35.1, 40.1 or 48.1)(SAR where ##### may be 07.1, 07.5, 10.1, 14.1, 14.5, 16.1, 25.1 or 30.1)

Models	Phase	Voltage (VAC)	Frequency (Hz)	FLA (A max)	Max. Torque (lb-ft)	Max Speed (RPM)
SA#####, SAR#####	1-PH	110 / 115 / 120 / 220 / 230 / 240 Vac	60 Hz	35 A max	370 ft-lb [500 Nm] max	216 RPM max
	3-PH	208 / 220 / 230 / 240 / 440 / 460 / 480 / 575 / 600 Vac	60 Hz	82 A max	23,600 ft-lb [32,000 Nm] max	216 RPM max



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SA#### and SAR#### Generation 2 Series Multi-turn Electrical Motor Operated Valve Actuators (where #### may be 07.2, 07.6, 10.2, 14.2, 14.6 or 16.2)

Models	Phase	Voltage (VAC)	Frequency (Hz)	FLA (A max)	Max. Torque (lb-ft)	Max Speed (RPM)
SA####, SAR####	1-PH	110 / 115 / 120 / 220 / 230 / 240 Vac	60 Hz	20 A max	370 ft-lb [500 Nm] max	216 RPM max
	3-PH	208 / 220 / 230 / 240 / 440 / 460 / 480 / 575 / 600 Vac	60 Hz	32 A max	740 ft-lb [1000 Nm] max	216 RPM max

SG#### and SGR#### Series Quarter-turn Electrical Motor Operated Valve Actuators (where #### may be 05.1, 07.1, 10.1 or 12.1)

Models	Phase	Voltage (VAC)	Frequency (Hz)	FLA (A max)	Max. Torque (lb-ft)	Operation Time (seconds)
SG####, SGR####	1-PH	110 / 115 / 120 / 220 / 230 / 240 Vac	60 Hz	4 A max	875 ft-lb [1200 Nm] max	180 sec (for 90°) max
	3-PH	208 / 220 / 230 / 240 / 440 / 460 / 480 / 575 / 600 Vac	60 Hz	1.24 A max	885 ft-lb [1200 Nm] max	50 sec (for 90° rotation) max

SQ#### and SQR#### Series Quarter-turn Electrical Motor Operated Valve Actuators (where #### may be 05.2, 07.2, 10.2, 12.2 or 14.2)

Models	Phase	Voltage (VAC)	Frequency (Hz)	FLA (A max)	Max. Torque (lb-ft)	Operation Time (seconds)
SQ####, SQR####	3-PH	208 / 220 / 230 / 240 / 440 / 460 / 480 / 575 / 600 Vac	60 Hz	2.3 A max	1770 ft-lb [2400 Nm] max	108 sec (for 90° rotation) max

Notes:

1. The above valve actuators are evaluated as general-purpose type, short-time (S2) non-modulating or intermittent (S4) modulating duty cycle, intended for indoor or outdoor use.
2. The model code for the SA, SAR, SG, SGR, SQ and SQR series are followed by several alphanumerical suffixes, including a variable defining actuator speed and therefore the motor which must be used. For details of suffixes identification see attachments 1, 2, 3 and 4.
3. The above valve actuators are provided with either an S2 short-time duty cycle (non-modulating type with 6,000 operations or more) or an S4 intermittent duty cycle (modulating type with 20,000 operations and 200,000 repositions or more), as follows:
 - a. SA Generation 1 model series is available as S2 10, 15 or 30 minute duty
 - b. SAR Generation 1 model series is available as S4 25% or 50% duty
 - c. SA Generation 2 model series is available as S2 15 or 30 minute duty
 - d. SAR Generation 2 model series is available as S4 25% or 50% duty



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- e. SG model series is available as S2 15 minute duty
 - f. SGR model series is available as S4 25% duty
 - g. SQ model series is available as S2 15 minute
 - h. SQR model series is available as S4 25% duty
4. The above valve actuators are certified to ambient temperature of -40°C to $+80^{\circ}\text{C}$.
 5. Single phase SA and SAR actuators, with the motor capacitors mounted within the extended motor housing (i.e. motor models starting with characters AE, VE, AC or VC), are certified to ambient temperature of -40°C to $+40^{\circ}\text{C}$. Otherwise, note 4 is applicable for single phase actuators, with the motor capacitors mounted within the terminal compartment (i.e. motor models starting with characters AF, VF, AG or VG).
 6. The above valve actuators are rated enclosure Type 2, 3, 3R, 4, 4X, 5, 6, 6P.
 7. All motors are either Class F or Class H insulation.

Part B:

The SA, SAR, SG, SGR, SQ and SQR series valve actuators may be provided with any one of the following control packages.

- Integral Motor Control Package (or IMC)
- Matic Control Package (or AM)
- Integral Control Package (or IC)
- Triple Play Matic Package (or BCTP)

Notes:

1. The control packages are rated for a maximum ambient temperature of $+70^{\circ}\text{C}$.
2. The control package enclosures are rated enclosure. Type 2, 3, 3R, 4, 4X, 5, 6, 6P.
3. The control packages could be mounted to a wall bracket remote from the rest of the actuator using the same terminal configurations



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APPLICABLE REQUIREMENTS

CSA C22.2 No. 139-19 (Fifth Edition) - Electrically operated valves

UL 429 (Seventh Edition) - Electrically Operated Valves - Reprint with revisions through and including March 19, 2021



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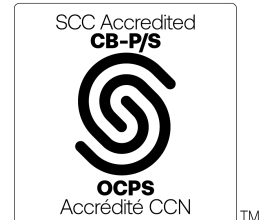
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Notes:

Products certified under Class C322102 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). 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

Project	Date	Description
80137806	October 12, 2022	Update to Report 70118094 for alternate component
80098632	October 29, 2021	Update to report 238307-70118094 , with the following modifications: (i) PART A.1 – SAR Accessories – New item 5a: Addition of new MWG 30.4 or 30.5 low voltage module, (ii) PART B.1 – Items 4.a: Replacement of GE alternate motor reversing contactor with identically rated and certified ABB component, (iii) PART B.1 – Items 6: Replacement of GE overload relay with identically rated and certified ABB component.
80047085	December 10, 2020	Update to report 70118094 to add an alternate Interface Board and Filter Board for the Matic Control Package.
80011014	September 09, 2019	Update to report 70118094 with new electrical ratings (i.e. adding 3-PH, 208 Vac, 60 Hz ratings) for the SA and SAR and the SQ and SQR model series. Alternate components assessed. Product model code and ratings updated for clarification. Report attachments revised / reorganized.
70154306	January 31, 2018	Update report 70118094 to include alternate paint system D.
70159268	November 07, 2017	Update of report 70118094 to amend ‘Att D Test Results 70012460’ and correct the alternate permissible paint system C to ‘Sherwin Williams Powdura (50 microns - base coat) and Sherwin Williams Powdura (120 microns - top coat)
70118094	April 18, 2017	Certification of SA, SG & SQ series actuators by AUMA Actuators. File transfer from original certification created under MC#158228, certificate 1328676.