



Certificate of Compliance

Certificate: 80152143

Master Contract: 604849

Project: 80152143

Date Issued: January 4, 2023

Issued To: Max-Air Technology, Inc.
114 Resource Drive
Wentzville, Missouri 63385
United States

The products listed below 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 US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Maria Gomes
Maria Gomes

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 1, Groups C, D T4

Class II, Division 1, Groups E, F, G T130°C

Type 4X

Ex db IIB T4 Gb (For Canada)

Class I, Zone 1, AEx db IIB T4 Gb (For US)

Ex tb IIIC T130°C Db (For Canada)

Zone 21, AEx tb IIIC T130°C Db (For US)

IP68 (72h, 7m)

M Model Series Explosion-proof Quarter-Turn Actuators, rated 240 Vac max, 10.0 A max, $-30^{\circ}\text{C} \leq T_{amb} \leq 70^{\circ}\text{C}$, T4, Enclosure Type 4X, IP 68 (72h, 7m).

Where:

M-X-S-YYYY-ZZZZ

M stands for Quarter-Turn Actuator.



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X stands for Explosion-proof.

YYYY stands for type (A003, B004, C004, E008, E013, G035, G044, G058, H089, H133)

ZZZZ stands for voltage (12VD stands for 12VDC, 12VA stands for 12VAC, 24VD stands for 24VDC, 24VA stands for 24VAC, 120A stands for voltage range 110 ~ 120VAC, 230A stands for voltage range 220 ~ 240VAC).

S stands for controlling method (S stands for 2 position, J stands for Floating, N stands for Modulating (4-20mA), "V" stands for Modulating (2-10vdc)).

X4 Duty rating (%): 30, 75, This code is incorporated into code "S" (see line above this line)

Duty cycle information:

Models Series		Duty Cycle
A003 B004 C004	ZZZZ =120A, 230A: S variants	30% (12 sec ON, 28 sec OFF), or
		30% (20 sec ON, 46 sec OFF), or
E008	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: N & V variants, No J variants exist	75% (8 sec ON, 3 sec OFF), or
		75% (12 sec ON, 4 sec OFF)
E013	ZZZZ =120A, 230A: S variants	30% (12 sec ON, 28 sec OFF), or
		30% (15 sec ON, 35 sec OFF), or
E013	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: J, N & V variants	75% (15 sec ON, 5 sec OFF)
		30% (15 sec ON, 35 sec OFF), or
E013	ZZZZ =120A, 230A: S variants	30% (22 sec ON, 51 sec OFF), or
		30% (22 sec ON, 51 sec OFF), or
G035	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: J, N & V variants	75% (22 sec ON, 7 sec OFF)
		30% (16 sec ON, 37 sec OFF), or
G035	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: J, N & V variants	75% (16 sec ON, 5 sec OFF)
		30% (22 sec ON, 51 sec OFF), or
G044	ZZZZ =120A, 230A: S variants	30% (22 sec ON, 51 sec OFF), or
		30% (22 sec ON, 51 sec OFF), or
G044	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: J, N & V variants	75% (22 sec ON, 7 sec OFF)
		75% (22 sec ON, 7 sec OFF)
G058	ZZZZ =120A, 230A: S variants	30% (28 sec ON, 65 sec OFF), or
		30% (28 sec ON, 65 sec OFF), or
G058	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: J, N & V variants	75% (28 sec ON, 9 sec OFF)
		75% (28 sec ON, 9 sec OFF)
H089	ZZZZ =120A, 230A: S variants	30% (46 sec ON, 107 sec OFF), or
		30% (46 sec ON, 107 sec OFF), or
H089	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: J, N & V variants	75% (46 sec ON, 15 sec OFF)
		75% (46 sec ON, 15 sec OFF)
H133	ZZZZ =120A, 230A: S variants	30% (46 sec ON, 107 sec OFF), or
		30% (46 sec ON, 107 sec OFF), or
H133	ZZZZ = 12VD, 12VA, 24VD, 24VA: S, J, N, V variants ZZZZ=120A, 230A: J, N & V variants	75% (46 sec ON, 15 sec OFF)
		75% (46 sec ON, 15 sec OFF)



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CONDITIONS OF ACCEPTIBILITY

1. The manufacturer recommends that any cable entry device used must maintain the IP rating of the enclosure.
2. The end user must ensure that any cable and cable entry devices used with the equipment are suitable for use at temperatures above 90°C.
3. The flamepaths in this equipment are different to the standard dimensions given in IEC 60079-1. If specific flamepath dimensions are required then the manufacturer (OEM) must be contacted.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 <i>August 2011</i>	General requirements — Canadian Electrical Code, Part II
CSA C22.2 No. 30-M1986 <i>(Reaffirmed 2012)</i>	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA C22.2 No. 25-17 <i>July 2017</i>	Enclosures for Use in Class II, Division 1, Groups E, F, and G Hazardous Locations
CSA C22.2 No. 94.2-07	Enclosures for Electrical Equipment, Environmental Considerations
CSA C22.2 No. 139-10	Electrically Operated Valves
CAN/CSA-C22.2 No. 60079-0:15 <i>October 2015</i>	Explosive atmospheres – Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-1:16 <i>May 2016</i>	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
CAN/CSA-C22.2 No. 60079-31:15 <i>Second Edition (October 2015)</i>	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure “t”
CAN/CSA C22.2 No. 60529:16	Degrees of Protection Provided By Enclosures (IP Code)
FM 3600 <i>December 2011</i>	Approval Standard for Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements
FM 3615 <i>August 2006</i>	Approval Standard for Explosionproof Electrical Equipment General Requirements
FM 3616 <i>December 2011</i>	Approval Standard for Dust ignition proof Electrical Equipment General Requirements
NEMA ANSI/IEC 60529-2004 <i>(Reaffirmed 2011)</i>	Degrees of Protection Provided By Enclosures (IP Code)
ANSI/UL 50E <i>First Edition (September 4, 2007)</i>	Enclosures for Electrical Equipment, Environmental Considerations
UL 429	Electrically Operated Valves



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<i>Sixth Edition (November 11, 2009)</i>	
ANSI/UL 60079-0 <i>Six Edition (July 26, 2013)</i>	Explosive atmospheres – Part 0: Equipment – General requirements
ANSI/UL 60079-1 <i>Seventh Edition (September 18, 2016)</i>	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
ANSI/UL 60079-31 <i>Second Edition (2015.06.12)</i>	UL Standard for Safety Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”

MARKINGS

Each unit shall bear all the required markings identified in the applicable certification report(s).

Note: The Listee’s name and/or CSA file number shall replace the submittor’s equivalent information (where applicable).



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	Submittor Project	Submittor Models	Listee Model
80152143	January 4, 2023	204450-70156877	OME-X1-X2-X3-X4	M-X-S-YYYY-ZZZZ