



# Certificate of Compliance

**Certificate:** 70163441

**Master Contract:** 205078

**Project:** 80161737

**Date Issued:** 2023-03-29

**Issued To:** Analog Devices Inc.  
804 Woburn St  
Wilmington, Massachusetts, 01887-3462  
United States

**Attention:** Jason Naso

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicator▲*



**Issued by:** *Martin Buchanan*  
Martin Buchanan, P. Eng.

## **PRODUCTS**

CLASS - C907330 - ELECTRONIC COMPONENTS Optoisolators and non-optical isolating devices

Component Acceptance of Optoisolator Like Magnetic Coupling Devices:



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Device	Ratings		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
(SOIC 16 W package) ADuM220N0BRWZ ADuM220N1BRWZ ADuM221N0BRWZ ADuM221N1BRWZ ADuM220N0WBRWZ ADuM220N1WBRWZ ADuM221N0WBRWZ ADuM221N1WBRWZ	5.0	125	CSA 14-18 tb35, 6.21.4.1, 6.2.1/6.2.12, 6.8.1 62368-1:19, UPD1:2021 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4 61010-1-12+A1 6.7.1.3, 6.7.2.1 or tbK.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10 60601-1:14 (R2018)+A1+A2 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7  IEC 62368-1:2018 Ed. 3 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4 61010-1 3 <sup>rd</sup> Ed+A1 6.7.1.3, 6.7.2.1 or tbK.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10 60601-1:2005 Ed 3.0+A1+A2 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7  EN 62368-1:2020+A11:2020 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4	-	-	7.8
(SOIC 8 RI package) ADuM225N0BRIZ ADuM225N1BRIZ ADuM226N0BRIZ ADuM226N1BRIZ ADuM225N0WBRIZ ADuM225N1WBRIZ ADuM226N0WBRIZ ADuM226N1WBRIZ						8.3

where Z, if used, indicates the lead-free version. Suffix EP at the end of the base part number indicates lower extended temperature capability to -55C with a NiPdAu lead finish. Further suffix letters or digits differentiate shipping package formats.

**Notes:**

1. The SOIC 16 W devices meet basic insulation requirements for 780Vrms for CSA 62368-1:19, UPD1:2021, IEC 62368-1:2018 Ed. 3 and EN 62368-1:2020+A11:2020. (pollution degree 2, material group III)
2. The SOIC 16W devices meet reinforced insulation requirements for 390Vrms for CSA 62368-1:19, UPD1:2021, IEC 62368-1:2018 Ed. 3 and EN 62368-1:2020+A11:2020. (pollution degree 2, material group III)
3. The SOIC 8RI devices meet basic insulation requirements for 830Vrms for CSA 62368-1:19, UPD1:2021, IEC 62368-1:2018 Ed. 3 and EN 62368-1:2020+A11:2020. (pollution degree 2, material group III)
4. The SOIC 8RI devices meet reinforced insulation requirements for 415Vrms for CSA 62368-1:19, UPD1:2021, IEC 62368-1:2018 Ed. 3 and EN 62368-1:2020+A11:2020. (pollution degree 2, material group III)
5. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. for 600Vrms, overvoltage category III for basic insulation the SOIC 16W devices meet clauses K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
6. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. for 600Vrms, overvoltage category IV for basic insulation the SOIC 8RI devices meet clauses K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)



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7. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. these devices meet 300V for reinforced insulation based on 61010-1 Cl 14.1 a) for use in 61010-1 end products because they meet the requirements of the 62368-1 evaluation. (pollution degree 2, material group III)
8. For CSA 60601-1:14 (R2018) and IEC60601-1 Ed. 3+A1+A2 for 1 MOPP for 490Vrms, the SOIC 16W devices meet clauses 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7. The risk management process is not applicable to these clauses.
9. For CSA 60601-1:14 (R2018) and IEC60601-1 Ed. 3+A1+A2 for 1 MOPP for 519Vrms, the SOIC 8RI devices meet clauses 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7. The risk management process is not applicable to these clauses.
10. Case material: 575Vrms with erosion depth 0.079mm, meets material group II.
11. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
12. The creepage and clearance has been evaluated for altitudes  $\leq 2000\text{m}$ , in pollution degree 2 and overvoltage category II except where specified above. (pollution degree 2, material group III).

These devices are Component Accepted as components for use in other Certified equipment where the suitability of the combination shall be determined by investigation in the final application.

### **APPLICABLE REQUIREMENTS**

- CAN/CSA-C22.2 No 14-18 - Industrial Control Equipment
- CAN/CSA-C22.2 No. 62368-1:19, UPD1:2021 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2018, MOD)
- IEC 62368-1:2018 Ed. 3 - Audio/video, information and communication technology equipment - Part 1: Safety requirements
- EN 62368-1:2020+A11:2020 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2018)

Clauses 6.7.1.3, 6.7.2.1 or K.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10 of  
CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements (Tri-national standard, with UL 61010-1 Ed. 3 (2012), AMD1: 2018 and ANSI/ISA-61010-1 (82.02.01))

IEC 61010-1:2010 Ed. 3.1:2017 01 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements

Clauses 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7  
of  
CAN/CSA C22.2 60601-1:14 (R2018) - Medical Electrical Equipment Part 1: General requirements for basic safety and general performance (Adopted IEC60601-1:2005 Edition 3.0 +Amendment 1, 2012-07 MOD +Amendment 2, 2020-08 MOD)

and



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IEC60601-1:2005 Ed 3.0+A1+A2 - Medical Electrical Equipment Part 1: General requirements for basic safety and general performance

Notes:

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Products certified under Class C907330 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>
80161737	2023-03-29	Update 70163441 to 62368-1 Ed 3 and 60601-1 A2
70163441	2017-11-24	Original Component Acceptance