



# Certificate of Compliance

**Certificate:** 2524953

**Master Contract:** 205078

**Project:** 80161738

**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:

Device (SOIC 16W RW package)	Ratings		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ADuM4223yRWZ ADuM4223WyRWZ ADuM4224yRWZ ADuM4224WyRWZ	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  IEC 62368-1:2014 Ed. 2 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.1.5.3, 5.4.9.1, 4.1.2	-	-	7.8



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Device (SOIC 16W RW package)	Ratings		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
			61010-1 3 <sup>rd</sup> Ed A1 K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10  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			

where suffix y may be A, B or C differentiating devices with different performance grades. 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. These devices meet reinforced insulation for 390Vrms and basic insulation 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. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. for 600Vrms, overvoltage category III for basic and 300Vrms, overvoltage category II for reinforced insulation, the 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 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. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
3. Case material: Multiple mold compounds have been evaluated. All meet at least material group II.
4. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
5. The creepage and clearance has been evaluated for altitudes ≤ 2000m, 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)



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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

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>
80161738	2023-03-29	Update 2524953 to 62368-1 Ed 3
70207287	2018-11-25	Update to 62368-1
70046793	2016-09-26	Update for alternative mould compound and leadframe
2753835	2014-08-13	Addition of ADuM4224.
2723804	2014-04-30	Update to add A12 of EN 60950-1
2524953	2012-09-10	Original Component Acceptance