



# Certificate of Compliance

**Certificate:** 2758945 **Master Contract:** 205078  
**Project:** 80205341 **Date Issued:** 2024-05-15  
**Issued to:** Analog Devices Inc.  
804 Woburn St  
Wilmington, Massachusetts 01887-3462  
United States  
**Attention:** Ivy Mae Tejero

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



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

## PRODUCTS

Class 9073 30 ELECTRONIC COMPONENTS - Optoisolators and non-optical isolating devices

### **Component Acceptance of Optoisolator Like Magnetic Coupling Devices:**

Model(s)
ADE7912ARIZ, ADE7913ARIZ, ADE7932ARIZ, ADE7933ARIZ, AD71163

Device (SOIC 20 RI package)	Rating		Standard/Notice and Clauses	Internal		External
	(kV)	(°C)		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)



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Device (SOIC 20 RI package)	Rating		Standard/Notice and Clauses	Internal		External Creep/Clear (mm)
	(kV)	(°C)		Creepage (mm)	Dist Thru (mm)	
ADE7912ARIZ ADE7913ARIZ ADE7932ARIZ ADE7933ARIZ AD71163	5.0	85	CSA 14-18+UPD1(R2022) 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 62368-1:2018 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  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	-	-	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. These devices meet basic insulation requirements for 830Vrms for CSA 62368-1:19, UPD1. IEC 62368-1:2018 Ed. 3 and EN 62368-1:2020+A11:2020. (pollution degree 2, material group III)
2. These devices meet reinforced insulation requirements for 415Vrms for CSA 62368-1:19, UPD1. IEC 62368-1:2018 Ed. 3 and EN 62368-1:2020+A11:2020. (pollution degree 2, material group III)
3. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. for 600Vrms, overvoltage category IV for basic insulation these 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)
4. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. for 300Vrms, overvoltage category III these devices meet 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)
5. Case material: CTI=600V, erosion depth 0.165mm;
6. Evaluated by thermal cycling and other tests for a temperature rating of 85C.
7. 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).



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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**

CSA C22.2 No. 14-18+Upd.1 (Thirteenth Edition)(R2022) - Industrial control equipment - Thirteenth Edition; Update No. 1: June 2022

CSA C22.2 No. 62368-1:19+Upd.1 (Third Edition) - Audio/video, information and communication technology equipment — Part 1: Safety requirements - Third Edition; Update No. 1: October 2021

IEC 62368-1:2018 - Audio/video, information and communication technology equipment – Part 1: Safety requirements - Edition 3.0

EN 62368-1: 2020/A11:2020 - Audio/video, information and communication technology equipment - Part 1: Safety requirements - Incorporates Amendment A11: 2020

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...

IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 - Amendment 1 - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements



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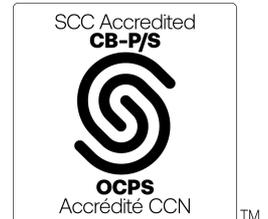
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**Notes:**

Products certified under Class(es) 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>
80205341	2024-05-15	Update to 2758945 to the latest standards
70181902	2018-04-20	Alternative insulation compound, I-8124ER, between power circuits
70167543	2017-12-20	Update to 2758945 to add AD71163
2758945	2015-01-15	Original Component Acceptance