



Certificate of Compliance

Certificate: 80029681

Master Contract: 205078

Project: 80029681

Date Issued: 2020-05-07

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

Attention: Mark Cantrell

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 Devices:

Device LFCS 41	Ratings		Standard/Notice and Clauses	Internal		External
	(kV)	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ADP1031ACPZ-1 ADP1031ACPZ-2 ADP1031ACPZ-3 ADP1031ACPZ-4 ADP1031ACPZ-5 ADP1032ACPZ-1 ADP1032ACPZ-2 ADP1032ACPZ-3 ADP1032ACPZ-4 ADP1032ACPZ-5	2.5	125	CSA 14-18 tb35, 6.21.4.1, 6.2.1/6.2.12, 6.8.1 60950-1-07+A1+A2 2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2 62368-1-14 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.1.5.3, 5.4.9.1, 5.4.8, 5.4.1.4, 5.4.3.3 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 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7	-	-	2.15



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Device LFCS 41	Ratings		Standard/Notice and Clauses	Internal		External
	(kV)	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
			IEC 60950-1 2nd Ed.,+A1+A2 2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2 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, 5.4.8, 5.4.1.4, 5.4.3.3 61010-1 3rd 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 Ed.3+A1 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7 EN 60950-1:2006+A1+A12+A2 2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2 62368-1:2014/A11:2017 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.1.5.3, 5.4.9.1, 5.4.8, 5.4.1.4, 5.4.3.3			

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 devices meet basic insulation requirements for 215Vrms for CSA 60950-1-07+A1+A2, CSA 62368-1-14. IEC 60950-1 2nd Ed.+A1+A2, IEC 62368-1:2014 and EN60950-1:2006+A1+A12+A2 and EN62368-1:2014/A11:2017. (pollution degree 2, material group III)
2. For CSA 61010-1-12+A1 and IEC 61010-1 3rd Ed. the devices meet 150V for basic 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. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
3. For CSA 60601-1:14 and IEC60601-1 Ed.3+A1 for 1 MOOP for 215Vrms, the devices meet clauses 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.3, 8.9.3.4, 8.9.1.14, 8.9.1.7. The risk management process is not applicable to these clauses.
4. Case material: material group II.
5. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
6. 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.



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APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No 14-18 - Industrial Control Equipment
CAN/CSA-C22.2 No 60950-1-07+A1+A2 - Information Technology Equipment - Safety - Part 1: General Requirements (Bi-national Standard, with UL 60950-1)
CAN/CSA-C22.2 No. 62368-1-14 - Audio/video, information and communication technology equipment– Part 1: Safety requirements
IEC 60950-1 2nd Ed.+A1+A2 - Information Technology Equipment - Safety - Part 1: General Requirements
IEC 62368-1:2014 Ed. 2 - Audio/video, information and communication technology equipment– Part 1: Safety requirements
EN 60950-1:2006+A1+A12+A2 - Information Technology Equipment - Safety - Part 1: General Requirements
EN 62368-1:2014/A11:2017 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, modified)

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 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.3, 8.9.3.4, 8.9.1.14, 8.9.1.7 of

CAN/CSA C22.2 60601-1:14 - 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)

and

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