



Certificate of Compliance

Certificate: 1646433 (205078)

Master Contract: 205078

Project: 70054834

Date Issued: 2015-12-03

Issued to: Analog Devices Inc.
804 Woburn St
Wilmington, Massachusetts 01887-3462
USA

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

Component Acceptance of Optoisolator Like Magnetic Coupling Devices:

Device	Rating		Applicable Standards/Notices	Internal		External
	(kV)	(°C)		Creepage (mm)	Dist Thru (mm)	Creepage (mm)
ADuM220xyRWZ ADuM221xyRWZ ADuM225xyRWZ ADuM240xyRWZ ADuM440xyRWZ ADW80035	5.0	≤ 125	CSA CA5A, 60950-1-07+A1+A2, 61010-1-04, IEC 601-1 2 nd Ed., IEC 60950-1 2 nd Ed.,+A1+A2 IEC 61010-1 2 nd Ed. EN 60950-1:2006+A1+A12+A2 Clauses 8.5.5.1, 8.8.3, 8.9.1.15, 8.9.3.3 of CSA 60601-1:14 and IEC 60601-1 Ed.3+A1	-	-	7.7
ADuM220xyRIZ ADuM221xyRIZ ADuM225xyRIZ ADuM240xyRIZ	5.0	≤ 125	CSA CA5A, 60950-1-07+A1+A2, 61010-1-04, IEC 601-1 2 nd Ed.,	-	-	8.3



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Device	Rating		Applicable Standards/Notices	Internal		External
	(kV)	(°C)		Creepage (mm)	Dist Thru (mm)	Creepage (mm)
ADuM440xyRIZ			IEC 60950-1 2nd Ed.,+A1+A2 IEC 61010-1 2nd Ed. EN 60950-1:2006+A1+A12+A2 Clauses 8.5.5.1, 8.8.3, 8.9.1.15, 8.9.3.3 of CSA 60601-1:14 and IEC 60601-1 Ed.3+A1			

Suffix x may be 1 digit differentiating devices with different channel direction configurations. Suffix y may be a letter designating different performance grades and RW indicates wide body SOIC. RI indicates long creepage package. Z if used indicates the lead-free version. Further suffix letters or digits differentiate shipping package formats.

Notes:

1. For devices with RW suffix reinforced requirements have been met for 380Vrms, 537Vp for CSA 60950-1-07, IEC 60950-1 2nd Ed. and EN 60950-1 and 300V for CSA 601010-1-04 and IEC 61010-1 2nd Ed. (pollution degree 2, material group III)
2. For Devices with RW suffix reinforced requirements have been met for 125Vrms for IEC60601-1 2nd Ed. (pollution degree 2, material group III)
3. Models with RI suffix meet reinforced requirements for 400Vrms for CSA 60950-1-07, IEC 60950-1 2nd Ed. and EN60950-1 and 300V for CSA 61010-1-04 and IEC 61010-1 2nd Ed. (pollution degree 2, material group III)
4. For CSA 60601-1:08 and IEC60601-1 3rd Ed. for 2 MOPP for 125Vrms, these devices with suffix RW meet clauses 8.5.5.1, 8.8.3, 8.9.1.15, and 8.9.3.3. The risk management process is not applicable to these clauses.
5. For CSA 60601-1:08 and IEC60601-1 3rd Ed. for 2 MOPP for 250Vrms, these devices with RI suffix meet clauses 8.5.5.1, 8.8.3, 8.9.1.15, and 8.9.3.3. The risk management process is not applicable to these clauses.
6. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
7. The creepage and clearance has been evaluated for altitudes ≤ 2000m, in pollution degree 2 and overvoltage category II for 60950-1 and overvoltage category III for 60601 3rd Ed.
8. These devices also passed a dielectric test 6400Vrms, 60Hz, 60s in oil after thermal cycling.

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

APPLICABLE REQUIREMENTS

- Component Acceptance Notice 5A (CA 5A) - Announcement of Extension of the Component Acceptance Service for Optocouplers and Related Devices
- 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)
- IEC 60950-1 2nd Ed.+A1+A2 - Information Technology Equipment - Safety - Part 1: General Requirements
- IEC 61010-1 2nd Ed. 2001 02 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements



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EN 60950-1:2006+A1+A12+A2 - Information Technology Equipment - Safety - Part 1: General Requirements

IEC 601-1 (1988-12) - Medical Electrical Equipment - Part 1: General Requirements for Safety)

IEC 601-1-AM1 (1991-11) - Medical Electrical Equipment - Part 1: General Requirements for Safety)

IEC 601-1-AM2 (1995-03) - Medical Electrical Equipment - Part 1: General Requirements for Safety)

Clauses 8.5.5.1, 8.8.3, 8.9.1.15 and 8.9.3.3

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



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	Description
70054834	2015-12-03	Addition of model ADW80035
2541408	2012-09-17	Addition of G600C material for RI models
2449790	2011-08-23	Addition of long creepage models, ADuM2200xRIZ, ADuM2201xRIZ, ADuM2210xRIZ, ADuM2211xRIZ, ADuM2250ARIZ, ADuM2251ARIZ, ADuM2401xRIZ, ADuM2402xRIZ, ADuM2403xRIZ, ADuM4401xRIZ, ADuM4402xRIZ, ADuM4403xRIZ
2413552	2011-06-14	Addition of ADuM4400, ADuM4401, ADuM4402, ADuM2210, ADuM2211 and update to 60601 3rd Ed and increase of temperature rating up to 125C.
2373810	2010-11-26	Corrections to Report
2210803	2009-08-20	report corrections
2188715	2009-06-18	report correction
2017404	2008-03-23	Addition of ADuM2200 and ADuM2201 and update to latest standards
1953129	2007-09-18	Addition of EN60950-1:2001
1785787	2006-05-03	Addition of ADuM2250 and ADuM2251.
1699819	2005-10-24	Reduction of thickness of isolating material to 20u for ADuM240x
1646433	2005-04-15	Original Certification.