



# Certificate of Compliance

**Certificate:** 2136292 (205078)

**Master Contract:** 205078

**Project:** 70044746

**Date Issued:** 2016-06-10

**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<br>(SOIC 16W RW package)   | Ratings |     | Standard/Notice and Clauses  | Internal         |                      | External            |
|---|---------|-----|--|------------------|----------------------|---------------------|
|   | kV      | °C  |  | Creepage<br>(mm) | Dist<br>Thru<br>(mm) | Creep/Clear<br>(mm) |
| ADuM5400xRWZ<br>ADuM5401xRWZ<br>ADuM5402xRWZ<br>ADuM5403xRWZ<br>ADuM5404xRWZ<br>ADuM5400WyRWZab<br>ADuM5401WyRWZab<br>ADuM5402WyRWZab<br>ADuM5403WyRWZab<br>ADuM5404WyRWZab | 2.5     | 125 | CSA CA5A,<br>14-13 Tbl 35, 6.2.1.1, 6.2.1.1/6.2.10, 6.8.1.1<br>60950-1-07+A1+A2 2.10.3.3, 2.10.4.2,<br>2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2<br>61010-1-12+A1 K.3, K.4, 6.7.1.3,<br>6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10<br><br>IEC<br>60950-1 2nd Ed.,+A1+A2 2.10.3.3,<br>2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2<br>61010-1 3 <sup>rd</sup> Ed A1 K.3, K.4, 6.7.1.3,<br>6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10<br><br>EN | -                | -                    | 7.8                 |



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|---------------------------------|---------|----|---|------------------|----------------------|---------------------|
|                                 | kV      | °C |   | Creepage<br>(mm) | Dist<br>Thru<br>(mm) | Creep/Clear<br>(mm) |
|                                 |         |    | 60950-1:2006+A1+A12+A2<br>2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11,<br>4.5.2, 5.2 |                  |                      |                     |

where x and y may each be a letter differentiating devices with different performance grades. Z, if used, indicates the lead-free version. Suffix ab is a 2 digit number denoting specific supply voltage combinations. Further suffix letters or digits differentiate shipping package formats.

Notes:

1. These devices meet basic insulation requirements for 780Vrms for CSA 60950-1-07+A1+A2 and IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2.
2. These devices meet reinforced insulation requirements for 390Vrms for CSA 60950-1-07+A1+A2 and IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2. (pollution degree 2, material group III)
3. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. for 300Vrms, overvoltage category III for basic insulation and 150Vrms, overvoltage category III 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 and 10. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
4. Case material: Multiple mold compounds have been evaluated. All meet at least 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.

**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 14-13 - 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)

IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2 - Information Technology Equipment - Safety - Part 1: General Requirements

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

Clauses K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10  
of

CAN/CSA-C22.2 No. 61010-1-12+A1 2015 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements (Tri-national standard, with UL 61010-1 Ed. 3 and ANSI/ISA-61010-1 (82.02.01)

and



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IEC 61010-1:2010 3<sup>rd</sup> Ed. - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements