





**Certificate:** 70120619  
**Project:** 70120619

**Master Contract:** 205078  
**Date Issued:** 2017-11-30

Device (SSOP 24 package)	Ratings		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ADuM6410BRSZ ADuM6411BRSZ ADuM6412BRSZ ADuM6410WBRSZ ADuM6411WBRSZ ADuM6412WBRSZ	3.75		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, 4.1.2 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 60601-1 Ed.3+A1 8.5.5.1, 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			

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 530Vrms for CSA 60950-1-07+A1+A2, CSA 62368-1-14, IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2 and IEC 62368-1 2<sup>nd</sup> Ed. (pollution degree 2, material group III)
2. These devices meet reinforced insulation requirements for 265Vrms for CSA 60950-1-07+A1+A2, CSA 62368-1-14, IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2 and IEC 62368-1 2<sup>nd</sup> Ed. (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 II for basic 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. 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. these devices meet 150V for 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. For CSA 60601-1:14 and IEC60601-1 Ed.3+A1 for 1 MOPP for 347.5Vrms, the devices meet clauses 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7. The risk management process is not applicable to these clauses.
6. Case material: 575Vrms with erosion depth 0.079mm, meets material group II.
7. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
8. 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.



**Certificate:** 70120619  
**Project:** 70120619

**Master Contract:** 205078  
**Date Issued:** 2017-11-30

### APPLICABLE REQUIREMENTS

- 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)  
CAN/CSA-C22.2 No. 62368-1-14 - Audio/video, information and communication technology  
equipment– Part 1: Safety requirements
- IEC 60950-1 2<sup>nd</sup> 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
- 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  
IEC 61010-1:2010 3<sup>rd</sup> Ed. - Safety Requirements for Electrical Equipment for Measurement, Control  
and Laboratory Use - Part 1: General Requirements
- Clauses 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 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



## *Supplement to Certificate of Compliance*

**Certificate:** 70120619

**Master Contract:** 205078 (205078)

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

---

<b>Project</b>	<b>Date</b>	<b>Description</b>
70120619	2017-11-30	Original Component Acceptance