



Certificate of Compliance

Certificate: 2731769

Master Contract: 205078

Project: 2731769

Date Issued: November 10, 2014

Issued to: Analog Devices Inc.
804 Woburn St.
Wilmington, MA 01887-3462
USA
Attention: Al McEvoy

*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 9073 30 - ELECTRONIC COMPONENTS – Optoisolators

Component Acceptance of Optoisolator Like Magnetic Coupling Devices:

Device	Rating		Applicable Standards/Notices	Internal		External
	(k V)	(°C)		Creepage (mm)	Dist Thru (mm)	Creepage/ Clearance (mm)
SOIC16 RI						
ADuM4190xRIZ ADuM4190WxRIZ	5.0	125	CSA CA5A, 14-13, 60950-1-07+A1+A2 IEC 60950-1 2 nd Ed.+A1+A2 EN 60950-1:2006+A1+A12+A2 IEC 601-1 2 nd Ed., Clauses 8.5.5.1, 8.8.3, 8.9.1.15, 8.9.3.3 of	-	-	8.3



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SOIC16 RI						
			CSA 60601-1:14 and IEC 60601-1 Ed. 3.1			

where x is a letter indicating speed grade and where Z, if used, indicates the lead-free version. Further suffix letters or digits differentiate shipping package formats.

Notes:

1. These devices meet basic insulation requirements for 800Vrms (1131Vp) for CSA 60950-1-07+A1+A2 and IEC 60950-1 2nd Ed.+A1+A2 and EN 60950-1:2006+A1+A12+A2. (pollution degree 2, material group III)
2. These devices meet reinforced insulation requirements for 400Vrms (565Vp) for CSA 60950-1-07+A1+A2 and IEC 60950-1 2nd Ed.+A1+A2 and EN 60950-1:2006+A1+A12+A2. (pollution degree 2, material group III)
3. These devices meet basic insulation requirements for 250Vrms for IEC 601-1 2nd Ed. (pollution degree 2, material group III)
4. For CSA 60601-1:14 and IEC60601-1Ed.3.1 for 2 MOPP for 250Vrms, these models 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. Case material CTI=600V, erosion depth 0.165mm. (meets material group I)
6. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
7. The creepage and clearance has been evaluated for altitudes $\leq 2000\text{m}$, in pollution degree 2 and overvoltage category II.

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 2nd Ed.+A1+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



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|---------------------------|---|--|
| CAN/CSA C22.2 60601-1:14 | - | Medical Electrical Equipment Part 1: General requirements for basic safety and general performance |
| and | | |
| IEC60601-1 Ed.3.1:2012 | - | Medical Electrical Equipment Part 1: General requirements for basic safety and general performance |
| EN 60950-1:2006+A1+A12+A2 | - | Information Technology Equipment - Safety - Part 1: General Requirements |