Certificate of Compliance

Certificate: 70082134 **Master Contract:** 220991 (220991)

Project: 70082134 **Date Issued:** 2016-10-27

Issued to: **Texas Instruments, Inc.**
12500 TI Blvd
MS 8701
Dallas, Texas 75243
USA
Attention: Saleem Marwat

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 Capacitive Coupling Devices:

Device	Ratings kV	Ratings °C	Clauses of Standard/Notice	Internal Creepage (mm)	Internal Dist Thru (mm)	External Creep/Clear (mm)
(SOIC 16W DW-16) ISO7820LLDW ISO7821LLDW ISO7821LLSDW	5.7	125	CSA CA5A, 14-13 Tbl 35, 6.2.1.1, 6.2.1.1/6.2.10, 6.8.1.1 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 60601-1:14 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 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 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	-	-	8.0
(DWW-16) ISO7820LLDWW ISO7821LLDWW ISO7821LLSDWW						14.5

Suffix R is optional and used for reel shipping packing type.

Notes:
1. These devices meet basic insulation requirements for 800Vrms with the DW package and for 1450Vrms with the DWW package for CSA 60950-1-07+A1+A2 and IEC 60950-1 2nd Ed.+A1+A2. (pollution degree 2, material group III)
2. These devices meet reinforced insulation requirements for 400Vrms with the DW package and for 725Vrms with the DWW package for CSA 60950-1-07+A1+A2 and IEC 60950-1 2nd Ed.+A1+A2. (pollution degree 2, material group III)
3. For CSA 60601-1:14 and IEC60601-1 Ed.3+A1 for 2 MOPP for 250Vrms for DW packages and for 400V for DWW packages, 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.
4. Case material CTI=600V, erosion depth 0.012mm. (meets material group I)
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, material group III and overvoltage category II except where specified otherwise.

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

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