



Certificate of Compliance

Certificate: 70016684

Master Contract: 220991(220991)

Project: 70082131

Date Issued: 2016-11-22

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		Clauses of Standard/Notice	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
(SOIC 16W DW-16) ISO7810QDWQ1 ISO7810FQDWQ1 ISO7820QDWQ1 ISO7820FQDWQ1 ISO7821QDWQ1 ISO7821FQDWQ1 ISO7830QDWQ1 ISO7830FQDWQ1 ISO7831QDWQ1 ISO7831FQDWQ1 ISO7840QDWQ1 ISO7840FQDWQ1	5.7	125	CSA CA5A, 14-13 Ты 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 61010-1-12+A1 K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10 60601-1:14 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 61010-1 3 rd Ed 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,	-	-	8.0



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Device	Ratings		Clauses of Standard/Notice	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ISO7841QDWQ1 ISO7841FDWQ1 ISO7842QDWQ1 ISO7842FDWQ1 SN1506011DW SN005721DW			8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7			
(DWW-16) ISO7810DWW ISO7810FDWW ISO7820DWW ISO7820FDWW ISO7821DWW ISO7821FDWW ISO7830DWW ISO7830FDWW ISO7831DWW ISO7831FDWW ISO7840DWW ISO7840FDWW ISO7841DWW ISO7841FDWW ISO7842DWW ISO7842FDWW	5.7	125	CSA CA5A, 14-13 ТЫ 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 61010-1-12+A1 К.3, К.4, 6.7.1.3, 6.7.2.2.2 A.17, К.6x1.6, К.7x1.6, 10 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 61010-1 3rd Ed К.3, К.4, 6.7.1.3, 6.7.2.2.2 A.17, К.6x1.6, К.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	-	-	14.5

Suffixes Q and Q1 are optional and used for automotive-grade device selection. Commercial-grade devices don't use Q and Q1 suffixes. 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. For CSA 61010-1-12+A1 and IEC 61010-1 3rd Ed. for 600Vrms, overvoltage category IV for basic insulation, the devices meet clauses K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, К.6x1.6, К.7x1.6, 10. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
5. Case material CTI=600V, erosion depth 0.012mm. (meets material group I)
6. Evaluated by thermal cycling and other tests for a temperature rating of 125C.



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7. The creepage and clearance has been evaluated for altitudes $\leq 2000\text{m}$, 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 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 3rd 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

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