



# Certificate of Compliance

**Certificate:** 70178780

**Master Contract:** 220991 (220991)

**Project:** 70178780

**Date Issued:** 2018-08-16

**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) ISO7760DW ISO7760FDW ISO7760QDWQ1 ISO7760FQDWQ1 ISO7761DW ISO7761FDW ISO7761QDWQ1 ISO7761FQDWQ1 ISO7762DW ISO7762FDW ISO7762QDWQ1 ISO7762FQDWQ1	5.0	125	CSA 14-18 Tbl 35, 6.2.1, 6.2.1/6.2.12, 6.8 1, 6.21.4.1 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 62368-1-14 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.1.5.3, 4.5.8, 5.4.9.1, 5.4.1.4 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	-	-	8.0



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Device	Ratings		Clauses of Standard/Notice	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ISO7763DW ISO7763FDW ISO7763QDWQ1 ISO7763FQDWQ1 ISO7760NDW ISO7760FNDW			62368-1:2014 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.1.5.3, 4.5.8, 5.4.9.1, 5.4.1.4 61010-1 3 <sup>rd</sup> 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, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7			

Suffix R (R may be placed before Q1) is optional and used for reel shipping packing type.

**Notes:**

1. These devices meet basic insulation requirements for 800Vrms for CSA 60950-1-07+A1+A2 and IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2. (pollution degree 2, material group III)
2. These devices meet reinforced insulation requirements for 400Vrms 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. These devices meet basic insulation requirements for 800Vrms for CSA 62368-1-14 and IEC 62368-1:2014. (pollution degree 2, material group III)
4. These devices meet reinforced insulation requirements for 400Vrms including for CSA 62368-1-14 and IEC 62368-1:2014. (pollution degree 2, material group III)
5. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> 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, K.6x1.6, K.7x1.6, 10. The risk management process is not applicable to these clauses.
6. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed these devices meet 300Vrms, overvoltage category III 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.
7. For CSA 60601-1:14 and IEC60601-1 Ed.3+A1 for 2 MOPP for 250Vrms, 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.
8. Case material CTI=600V, erosion depth 0.012mm. (meets material group I)
9. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
10. 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.



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### **APPLICABLE REQUIREMENTS**

- CAN/CSA-C22.2 No 14-18 - 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

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