



# Certificate of Compliance

**Certificate:** 70220401

**Master Contract:** 220991

**Project:** 70220401

**Date Issued:** 2019-10-04

**Issued To:** Texas Instruments, Inc.  
12500 TI Blvd  
MS 8701  
Dallas, Texas, 75243  
United States

**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 (SOIC 16W DW-16)	Ratings		Clauses of Standard/Notice	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ISO1410DW ISO1410BDW ISO1412DW ISO1412BDW ISO1430DW ISO1430BDW ISO1432DW ISO1432BDW ISO1450DW ISO1450BDW	5.0	125	CSA 14-18 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 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, 4.1.2 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	-	-	8.0



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Device (SOIC 16W DW-16)	Ratings		Clauses of Standard/Notice	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ISO1452DW ISO1452BDW			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 62368-1-14 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, 4.1.2 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  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 62368-1:2014/A11:2017 2.10.3.3, 2 10.4.2, 2 10.4.3, 2 10.5.4a, 2.10.11, 4.5.2, 5.2			

Suffix R may be used after DW for reel packaging.

**Notes:**

1. The devices meet basic insulation requirements for 800Vrms for CSA 60950-1-07+A1+A2, EN 60950-1:2006+A1+A12+A2, IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2, CSA 62368-1-14, EN 62368-1:2014/A11:2017 and IEC 62368-1 2<sup>nd</sup> Ed. (pollution degree 2, material group III)
2. The devices meet reinforced insulation requirements for 400Vrms for CSA 60950-1-07+A1+A2, EN 60950-1:2006+A1+A12+A2, IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2, CSA 62368-1-14, EN 62368-1:2014/A11:2017 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.+A1 the devices meet 600Vrms for basic insulation and 300Vrms 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)
4. 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.
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.
7. The creepage and clearance has been evaluated for altitudes ≤ 2000m, in pollution degree 2, material group III and overvoltage category II except where specified above.

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  
EN 62368-1:2014/A11:2017 - Audio/video, information and communication technology  
equipment - Part 1: Safety requirements (IEC 62368-1:2014,  
modified)

Clauses 6.7.1.3, 6.7.2.1 or K.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10  
of

CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018 - Safety Requirements for  
Electrical Equipment for Measurement, Control, and Laboratory Use, Part  
1: General Requirements (Tri-national standard, with UL 61010-1 Ed. 3  
(2012), AMD1: 2018 and ANSI/ISA-61010-1 (82.02.01))

and

IEC 61010-1:2010 Ed. 3.1:2017 01 - 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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