



# Certificate of Compliance

**Certificate:** 80061130

**Master Contract:** 220991

**Project:** 80061130

**Date Issued:** 2021-03-30

**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 and non-optical isolating devices

Component Acceptance of Optoisolator-Like Capacitive Coupling Devices:

| Device<br>(SOIC 16 W DW-16)  | Ratings |     | Clauses of Standard/Notice  | Internal      |                | External         |
|--|---------|-----|---|---------------|----------------|------------------|
|  | kV      | °C  |   | Creepage (mm) | Dist Thru (mm) | Creep/Clear (mm) |
| ISO6731DW<br>ISO6731FDW<br>ISO6740DW<br>ISO6740FDW<br>ISO6741DW<br>ISO6741FDW<br>ISO6742DW<br>ISO6742FDW | 5.0     | 125 | CSA<br>62368-1:19 5.4.3, 5.4.2, 5.4.4.4, 5.4.7,<br>5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4<br>61010-1-12+A1 6.7.1.3, 6.7.2.1 or<br>tbK.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9,<br>A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10<br>60601-1:14 8.5.5.1, 8.8.2, 8.8.3x1.6,<br>8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7 | -             | -              | 8.0              |



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|--|---------|----|---|---------------|----------------|------------------|
|  | kV      | °C |   | Creepage (mm) | Dist Thru (mm) | Creep/Clear (mm) |
| ISO6731QDWQ1<br>ISO6731FQDWQ1<br>ISO6740QDWQ1<br>ISO6740FQDWQ1<br>ISO6741QDWQ1<br>ISO6741FQDWQ1<br>ISO6742QDWQ1<br>ISO6742FQDWQ1 |         |    | IEC<br>62368-1:2018 Ed. 3 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4<br>61010-1 3 <sup>rd</sup> Ed+A1 6.7.1.3, 6.7.2.1 or tbK.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<br>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<br><br>EN<br>62368-1:2020 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4 |               |                |                  |

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

**Notes:**

1. The devices meet basic insulation requirements for 800Vrms and reinforced insulation requirements for 400Vrms for CSA 62368-1:19. IEC 62368-1:2018 Ed. 3 and EN62368-1:2020. (pollution degree 2, material group III)
2. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. the devices meet 600Vrms for basic insulation and 300V 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. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
3. For CSA 60601-1:14 and IEC60601-1 Ed.3+A1 for 2 MOPP for 250V, 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: 600Vrms with erosion depth 0.012mm, 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 and overvoltage category II except where specified above. (pollution degree 2, material group III).

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**

- CAN/CSA-C22.2 No. 62368-1:19 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (Bi-national Standard with ANSI/UL 62368-1-2019)
- IEC 62368-1:2018 Ed. 3 - Audio/video, information and communication technology equipment - Part 1: Safety requirements



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EN 62368-1:2020 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2018)

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))

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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