

Notification Number:	20200326003	Notification Date:	April 15, 2020
Title:	Datasheet for ISO7730-Q1, ISO7731-Q1		
Customer Contact:	Notification Manager	Dept:	Quality Services

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



ISO7730-Q1, ISO7731-Q1

SLLSEU3C – NOVEMBER 2016 – REVISED MARCH 2020

Changes from Revision B (September 2018) to Revision C	Page
• Made editorial and cosmetic changes throughout the document	1
• Changed From: "Isolation Barrier Life: >40 Years" To: ">100-year projected lifetime at 1500 V _{RMS} working voltage" in Features	1
• Added "Up to 5000 V _{RMS} isolation rating" in Features	1
• Added "Up to 12.8 kV surge capability" in Features	1
• Added "±8 kV IEC 61000-4-2 contact discharge protection across isolation barrier" in Features	1
• Changed UL certification bullet From: "5000 V _{RMS} (DW) and 2500 V _{RMS} (DBQ) Isolation Rating per UL 1577" To: "UL 1577 component recognition program" in Features	1
• Deleted "All Certifications Complete except CQC Approval of DBQ-16 Package Devices" bullet in Features	1
• Updated list of applications in Applications section	1
• Updated Simplified Schematic to show two isolation capacitors in series per channel instead of a single isolation capacitor	1
• Added "Contact discharge per IEC 61000-4-2" specification of ±8000 V in ESD Ratings table	6
• Added the following table note to <i>Data rate</i> specification in Recommended Operating Conditions table: "100 Mbps is the maximum specified data rate, although higher data rates are possible."	6
• Changed V _{IO_{RM}} value for DW-16 package From: "1414 V _{PK} " To: "2121 V _{PK} " in Insulation Specifications table	8
• Changed V _{IO_{WM}} value for DW-16 package AC voltage From: "1000 V _{RMS} " To: "1500 V _{RMS} " and DC voltage From: "1414 V _{DC} " To: "2121 V _{DC} " in Insulation Specifications table	8
• Added 'see Figure 27 ' to TEST CONDITIONS of V _{IO_{WM}} specification in Insulation Specifications	8
• Changed V _{IO_{SM}} TEST CONDITIONS From: "Test method per IEC 60065" To: "Test method per IEC 62368-1" in Insulation Specifications table	8
• Updated certification information in Safety-Related Certifications table	9
• Corrected ground symbols for "Input (Devices with F suffix)" in Device I/O Schematics	22
• Added Insulation Lifetime sub-section under Application Curves section	26
• Added 'How to use isolation to improve ESD, EFT, and Surge immunity in industrial systems' application report to Documentation Support section	29

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO7730-Q1, ISO7731-Q1	SLLSEU3B	SLLSEU3C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISO7730-Q1>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this notification:

None.

Product Affected:			
ISO7730FQDBQQ1	ISO7730FQDBQRQ1	ISO7730FQDWQ1	ISO7730FQDWRQ1
ISO7730QDBQQ1	ISO7730QDBQRQ1	ISO7730QDWQ1	ISO7730QDWRQ1
ISO7731FQDBQQ1	ISO7731FQDBQRQ1	ISO7731FQDWQ1	ISO7731FQDWRQ1
ISO7731QDBQQ1	ISO7731QDBQRQ1	ISO7731QDWQ1	ISO7731QDWRQ1

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