FOREWORD

The IEC Quality Assessment System for Electronic Components (IECQ) is composed of those member countries of the International Electrotechnical Commission (IEC) who wish to take part in a harmonized system for electronic components of assessment quality. IECQ is also formally known in some European member countries as IECQ-CECC.

The object of the System is to facilitate international trade via business-to-business supply chain management tools and the harmonization of the specifications and quality assessment procedures for electronic components, assemblies and related materials and processes, and by the grant of an international recognized Certification of Conformity and the optional use of an IECQ Mark of Conformity. The components produced or services provided under the System are therefore accepted in all member countries without further testing.

This Component Specification is based upon the requirements of IECQ 03 Series of Rules of Procedure by:

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and published under the authority of:

DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch
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AMENDMENT RECORD

No previous editions.

REQUIREMENTS

The following data sheet satisfies the requirements of IECQ Component Specifications as detailed in IECQ 03 Series of Rules of Procedure.

It should be noted that IECQ is not responsible for manufacturers declaration made in data sheets that fall outside the limits of Certificates of Conformity.
Component Specification available from:

- Publicly available Specifications
  - IECQ Certification Body under whose authority the Component Specification (CS) is published
  - IEC Webstore
  - IECQ Website
    [www.iecq.org/publications/specifications/]
- Proprietary Specifications
  - IECQ Certification Body under whose authority the Component Specification (CS) is published
  - Other: ...

Component Specification number:

IECQ-CS 033000-CN0001
for use within the IECQ Approved Component Scheme for IoT smart home device
Edition 1, 2021-03

Product description:
Refrigerator Smart Displayer Module – K182-RD-HR-BCD Series-0001

Electronic Components of Assessed Quality Component Specification in accordance with:

- DEKRA K182
- ETSI ES 202 396-1
- GB/T 37877
- IEC TS 63134
- ITU-T Recommendation G.1010 Series G TR-398
- Q/BZJ053089-2017,

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Outline drawing and install information:
The refrigerator smart displayer module which is installed on the front door of refrigerator is composed of touch screen and control PCBA with interface connected to the refrigerator internal control board.

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Refer to Section 1.1 and Table 1 for details
IECQ Component Specification for Refrigerator Smart Displayer Module – K182-RD-HR-BCD Series-0001
Section one – General information

1.1 Approved Scope
This specification is applicable to Refrigerator Smart Displayer Module (RSDM) – K182-RD-HR-BCD Series-0001.

This specification defines the functional performance requirements for initial qualification and for any component product changes and to establish the ongoing quality conformance inspection procedure / controls for production lot by lot inspection and release of the IECQ Approved Component - K182-RD-HR-BCD Series-0001, refrigerator smart displayer module.

The refrigerator smart displayer module which is installed on the front door of refrigerator is composed of a touch screen and control PCBA, with Main Control Unit (MCU), operation system and interface connection to the refrigerator internal control board.

The refrigerator smart displayer module’s ID and dimensions are shown in Table 1, with WiFi connectivity that supports Wi-Fi 2.4 GHz with IEEE 802.11 ac.

1.1.1 Appearance, Modules and Dimensions

Figure 1 – Appearance RSDM

<table>
<thead>
<tr>
<th>Module ID</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>0061800782</td>
<td>351<em>264</em>33(mm)</td>
</tr>
<tr>
<td>0060861038A</td>
<td>351<em>264</em>33(mm)</td>
</tr>
<tr>
<td>0061800702</td>
<td>274<em>203</em>36(mm)</td>
</tr>
<tr>
<td>0061800621</td>
<td>821<em>314</em>35(mm)</td>
</tr>
</tbody>
</table>

1.2 Normative references
The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DEKRA K182, IoT smart home device

ETSI ES 202 396-1, Speech and multimedia Transmission Quality (STQ); Speech quality performance in the presence of background noise; Part 1: Background noise simulation technique and background noise database

GB/T 37877, Intelligentization technology for intelligent household appliances—Particular requirements for refrigerators

IEC TS 63134, Active assisted living (AAL) use cases

ITU-T Recommendation G.1010 Series G, Transmission system and media, digital systems and networks; Quality of service and performance; End-user multimedia QoS categories

Q/BZJ053089-2017, Intelligent TFT LCD interactive control module

TR-398, Wi-Fi In-Premises Performance Testing