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Qi Specification version 2.0 - Part 3: Mechanical, Thermal, and User Interface

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/25

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63563-3

March 2025

ICS 29.240.99; 35.240.99

English Version

Qi Specification version 2.0 - Part 3: Mechanical, Thermal, and User Interface (IEC 63563-3:2025)

Spécification Qi version 2.0 - Partie 3: Interface mécanique, thermique et utilisateur (IEC 63563-3:2025)

Qi Spezifikation Version 2.0 - Teil 3: Mechanische und thermische Anwender-Schnittstelle (IEC 63563-3:2025)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 63563-3:2025 E

European foreword

The text of document 100/4256/FDIS, future edition 1 of IEC 63563-3, prepared by TC 100/Technical Area 15 "Wireless Power Transfer" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63563-3:2025.

The following dates are fixed:

•	latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop) 2026-03-31
•	latest date by which the national standards conflicting with the document have to be withdrawn	(dow) 2028-03-31

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IEC 63563-3

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INTERNATIONAL STANDARD

Qi Specification version 2.0 – Part 3: Mechanical, Thermal, and User Interface

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IEC Secretariat
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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QI SPECIFICATION VERSION 2.0 –

Part 3: Mechanical, Thermal, and User Interface

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IEC 63563-3 has been prepared by technical area 15: Wireless Power Transfer, of IEC technical committee 100: Audio, video and multimedia systems and equipment. It is an International Standard.

It is based on *Qi Specification version 2.0, Mechanical, Thermal, and User Interface* and was submitted as a Fast-Track document.

The text of this International Standard is based on the following documents:

Draft	Report on voting
100/4256/FDIS	100/4278/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

The structure and editorial rules used in this publication reflect the practice of the organization which submitted it.

This document was developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

WIRELESS POWER CONSORTIUM

Qi Specification

Mechanical, Thermal, and User Interface

Version 2.0

April 2023

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RELEASE HISTORY

Specification Version	Release Date	Description
2.0	April 2023	Initial release of the v2.0 Qi Specification.

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1 General

The Wireless Power Consortium (WPC) is a worldwide organization that aims to develop and promote global standards for wireless power transfer in various application areas. A first application area comprises flat-surface devices such as mobile phones and chargers in the Baseline Power Profile (up to 5 W) and Extended Power Profile (above 5 W).

1.1 Structure of the Qi Specification

General documents

- Introduction
- Glossary, Acronyms, and Symbols

System description documents

- Mechanical, Thermal, and User Interface
- Power Delivery
- Communications Physical Layer
- Communications Protocol
- Foreign Object Detection
- NFC Tag Protection
- Authentication Protocol

1.2 Scope

The *Qi Specification, Mechanical, Thermal, and User Interface* (this document) identifies basic physical design requirements and guidelines for Power Transmitter and Power Receiver Products, including product and system dimensions, alignment of the products, surface temperature rise, and indications to the user.

1.3 Compliance

All provisions in the *Qi Specification* are mandatory, unless specifically indicated as recommended, optional, note, example, or informative. Verbal expression of provisions in this Specification follow the rules provided in ISO/IEC Directives, Part 2.

Table 1: Verbal forms for expressions of provisions

Provision	Verbal form
requirement	“shall” or “shall not”
recommendation	“should” or “should not”
permission	“may” or “may not”
capability	“can” or “cannot”

1.4 References

For undated references, the most recently published document applies. The most recent WPC publications can be downloaded from http://www.wirelesspowerconsortium.com.