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Prostorski brezžični prenos energije na osnovi več magnetnih resonanc - 2. del: Referenčni model (IEC 63245-2:2022)

Spatial wireless power transfer based on multiple magnetic resonances - Part 2: Reference model (IEC 63245-2:2022)

Räumliche drahtlose Energieübertragung basierend auf mehrfachen magnetischen Resonanzen - Teil 2: Referenzmodell (IEC 63245-2:2022)

Transfert d'énergie sans fil dans l'espace reposant sur des résonances magnétiques multiples - Partie 2: Modèle de référence (IEC 63245-2:2022)

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ICS:

29.240.99	Druga oprema v zvezi z omrežji za prenos in distribucijo električne energije	Other equipment related to power transmission and distribution networks
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63245-2

January 2023

ICS 29.240.99; 35.200

English Version

Spatial wireless power transfer based on multiple magnetic resonances - Part 2: Reference model (IEC 63245-2:2022)

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Räumliche drahtlose Energieübertragung basierend auf mehrfachen magnetischen Resonanzen - Teil 2: Referenzmodell
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European foreword

The text of document 100/3839/FDIS, future edition 1 of IEC 63245-2, prepared by technical area 15 “Wireless Power Transfer” of IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63245-2:2023.

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) 2023-10-18
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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

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IEC 62827-3:2016 NOTE Approved as EN 62827-3:2017 (not modified)

IEC 63006:2019 NOTE Approved as EN IEC 63006:2019 (not modified)

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 63245-1	2021	Spatial wireless power transfer based on multiple magnetic resonances - Part 1: Requirements	EN IEC 63245-1	2021

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IEC 63245-2

Edition 1.0 2022-12

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CONTENTS

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SPATIAL WIRELESS POWER TRANSFER BASED ON MULTIPLE MAGNETIC RESONANCES –

Part 2: Reference model

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IEC 63245-2 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.

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

Draft	Report on voting
100/3839/FDIS	100/3864/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.

A list of all parts in the IEC 63245 series, published under the general title *Spatial wireless power transfer based on multiple magnetic resonances*, can be found on the IEC website.

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This document was drafted in accordance with ISO/IEC Directives, Part 2, and 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/standardsdev/publications.

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INTRODUCTION

The IEC 63245 series (Spatial wireless power transfer based on multiple magnetic resonances, SWPT-MMR) provides requirements and a reference model for implementing spatial wireless power transfer systems. The IEC 63245 series consists of the following parts:

– Part 1: Requirements, and
– Part 2: Reference model

IEC 63245-1 describes requirements of SWPT-MMR.

IEC 63245-2 (this document) describes the reference model of SWPT-MMR.

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