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NÕUDED

Plugs, socket-outlets, vehicle connectors and vehicle  
inlets - Conductive charging of electric vehicles - Part 2:  
Dimensional compatibility and interchangeability  
requirements for a.c. pin and contact-tube accessories

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 62196-2:2017 sisaldab Euroopa standardi EN 62196-2:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 62196-2:2017 consists of the English text of the European standard EN 62196-2:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Plugs, socket-outlets, vehicle connectors and vehicle inlets -  
Conductive charging of electric vehicles - Part 2: Dimensional  
compatibility and interchangeability requirements for a.c. pin and  
contact-tube accessories  
(IEC 62196-2:2016)

Fiches, socles de prise de courant, prises mobiles de  
véhicule et socles de connecteurs de véhicule - Charge  
conductive des véhicules électriques - Partie 2: Exigences  
dimensionnelles de compatibilité et d'interchangeabilité  
pour les appareils à broches et alvéoles pour courant  
alternatif  
(IEC 62196-2:2016)

Stecker, Steckdosen, Fahrzeugkupplungen und  
Fahrzeugstecker - Konduktives Laden von  
Elektrofahrzeugen - Teil 2: Anforderungen und Hauptmaße  
für die Kompatibilität und Austauschbarkeit von Stift- und  
Buchsensteckvorrichtungen für Wechselstrom  
(IEC 62196-2:2016)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

## European foreword

The text of document 23H/324/CDV, future edition 2 of IEC 62196-2, prepared by SC 23H "Plugs, socket-outlets and couplers for industrial and similar applications, and for electric vehicles", of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62196-2:2017.

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) 2017-10-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-04-28

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

## Endorsement notice

The text of the International Standard IEC 62196-2:2016 was approved by CENELEC as a European Standard without any modification.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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](http://www.cenelec.eu).

Annex ZA of Part 1 applies.

Addition

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62196-1 (mod)	2014	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements	EN 62196-1	2014

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## INTRODUCTION

Responding to global challenges of CO<sub>2</sub> reduction and energy security, the automobile industries have been accelerating the development and commercialization of electric vehicles and hybrid electric vehicles. In addition to the prevailing hybrid electric vehicles, battery electric vehicles including plug-in hybrid electric vehicles are going to be mass-marketed. To support the diffusion of such vehicles, this standard provides the standard interface configurations of a.c. vehicle couplers and accessories to be used in conductive charging of electric vehicles, taking the most frequent charging situations into consideration.

IEC 62196 is divided into several parts:

- Part 1: General requirements
- Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories
- Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers